2018 American Nuclear Society Student Conference Proposal

nuclear equality

in policy, energy access & within the engineering community

Presented by:

American Nuclear Society
University of Florida

Prepared by:

Patrick Moo, Zander Mausolff, Kristin Smith,
Forrest Shriver, Daniel Arizaga, Susan Stanfill, Kayla Clements, Nick Berg
Nathan Doerr, John Tyler Askew, Rae Bruenderman, Matt Cook,
Noah McFerrran, Shirly Spath, Noah Heintz, David Prida, Hannah Gardiner,
Carson Beattie, Kevin Albertsson, Ian Craven, Sage Hunt

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A SPECIAL THANK YOU

The University of Florida ANS Student Conference Proposal Committee would like to thank the 2017 ANS Student Conference Selection Committee for their comments on our previous proposal. This feedback was crucial and necessary for the vast improvements that we're confident have been made to the 2018 Proposal.
We'd also like to thank Catherine Perego, Matthew Wargon, Timothy Crook, Lane Carasik, Sarah Camba, and Kalin Keisling for sharing their advice, experiences, and additional information regarding conference leadership and planning.

Additionally, we'd like to thank Chris Eason, Wolfgang Sigmund, Nicholas Thompson, Sam Brinton, Diego Garcia, Brett Rampal, Devin Kelly, Leigh Winfrey, Katy Huff, and ANS Headquarters for sharing their recommendations and expertise on our proposal.

We also thank the University of Florida Herbert Weirtheim College of Engineering administration, the Department of Material Science and Engineering, the Nuclear Engineering Program, and Multicultural and Diversity Affairs for their gracious support of our proposal.

We give thanks to the Florida ANS Local Section for their generous financial support of the University of Florida ANS Student Section, which has been vital to our success.

Lastly, we thank the more than 120 University of Florida Nuclear Engineering students who pledged their support for hosting the conference.

LETTER FROM CHAIRS

To the American Nuclear Society Student Sections Committee:

The University of Florida's American Nuclear Society is pleased to present this proposal to host the 2018 ANS Student Conference. The history of ANS at UF stretches back to the 1960s. Over the years our student section has grown to be among the most active and successful chapters in the country exemplified by the number of first place and honorable mentions our section has received for the Samuel Glasstone Award over the past 46 years. The current students strive to keep this tradition alive with their involvement in various outreach, professional development, political action, and social events. Their continued commitment is what makes our success and hopes of bringing a student conference to the University of Florida possible. We the Co-Chairs are pleased to know that we have their support in this undertaking.

As Co-Chairs, we pledge our time and commitment to ensuring that each attendee gets the most out their brief stay at the University of Florida, both at the conference and with everything else our University, City, and State has to offer. Furthermore, while we will strive to create a thought provoking venue that touches on some of the biggest and most sensitive issues our community faces, we also recognize that it is our responsibility to lead and foster a world class professional development and networking opportunity for each attendee. By selecting engaging talks, workshops, and other special events that cater to the broad spectrum of personalities and interests that exist within our field, we feel that every attendee will have the opportunity to build the connections and friendships that are so common among our most successful scientist and engineers.

We look forward to these opportunities and more in being hosts of the 2018 American Nuclear Society Student Conference. It would be a special opportunity for us and rest of the University of Florida Nuclear Engineering family in gathering the brightest young minds in nuclear science and technology at our beloved University.

Therefore, we take great pride in welcoming the American Nuclear Society to the University of Florida for the 2018 ANS Student Conference.

Sincerely,

Patrick Moo
General Program Co-Chair
UF ANS Board of Governors

Zander Mausolff
Technical Program Co-Chair
UF ANS Chapter President

Kristin Smith
Program Logistics Co-Chair
UF ANS Vice President of Inter-

THEME

NUCLEAR EQUALITY

The nuclear field is unique in that we must uphold to the highest technical standards for our industry and continue to strive for innovation while also remaining vocal advocates for the prosperity of nuclear science and technology. We must continually demonstrate that nuclear energy is a viable solution for reducing CO2 emissions and providing reliable energy to both developed and underdeveloped parts of the world. In addition, in order to collectively reach our highest potential in achieving the aforementioned objectives, we must also be conscious of the changing demographic within the engineering community. For these reasons, Nuclear Equality in Policy, Energy Access, & Within the Engineering Community was a clear decision for the 2018 ANS Student Conference theme.

The conference will follow a traditional regiment of technical activities and presentation of research; however, attendees will also have the unique opportunity of participating in a variety of workshops, panels, and special events that center around equality in energy policy, equal energy access, and being a successful engineer in an increasingly diverse nuclear community. In addition, each of the three evenings during the conference will be highlighted with talks emphasizing these points. Although it may be seem like a lofty goal to thoroughly convey these principles to the 500 or more expected attendees in only three days, we can at least plant the seeds in the individual to further develop and defend equality for the following:

IN POLICY

In general, nuclear energy has not received the same public attention as other non-carbon energy sources such as wind and solar. As a result these two industries have long received substantial tax subsidies to offset the cost of developing such technologies. Additional difficulty comes from competition with natural gas. The relative abundance of natural gas has dramatically driven down the cost of facilities that utilize natural gas to produce electricity.

The competition between subsidized solar, wind and cheap natural gas puts the largest supply of clean energy in a difficult position. In order to remain competitive, we must shape public perception and policy makers to realize the benefits of large scale, on demand, and carbon free energy for the United States. Assurance of a secure energy system in place in the coming decades relies on the next generation of scientists and engineers to be vocal about nuclear. We need to demand an equal energy policy here and advocate for it abroad. A fair and balanced policy will ensure minimal reliance on foreign sources of energy and technology. Arming aspiring nuclear engineers with the facts, as well as providing the proper resources for becoming active in the fight for reliable carbon free energy will be a cornerstone of the 2018 ANS Student conference.

ENERGY ACCESS

A cursory look through world history shows that the largest changes in standard of living came at times when humans were able efficiently generate electricity better than previous. Never before has that been more true than today. The extreme difference in lifestyles between citizens worldwide comes primarily from a population's ability to generate electricity effectively. For many countries, this is the largest barrier to transforming from an agrarian to industrial society.

The typical approaches to rapid industrialization have come at the expense of the environment through the creation of power plants that release large amounts of greenhouse gases. An option to circumvent such methods is through technologies such as nuclear. Other methods of carbon free energy production simply are unable to produce enough reliable electricity economically to sustain a nation. Therefore, to invest in the future, there must be a larger push for nuclear technology that may be safely adopted in developing nations. As part of the conference, several speakers, panels, and technical sessions will focus on innovative reactor designs, fuel cycles, and non-proliferation. By further developing and taking advantage of innovative ideas, it may be possible to produce technologies that allow for equal access to safe, reliable, and clean energy. The organizing committee looks to draw in champions of this cause to help cover these issue, as well as host a number of panels and an innovation contest focused on improving the standard of living for developing nations.

WITHIN THE ENGINNERING COMMUNITY

While there is a vast number of issues relating to nuclear energy that require special attention, it is important to keep our field accepting of all religions, ethnicities, sexual orientations, gender identities and expressions. While it may seem obvious for many, we need to be mindful and reiterate such goals. Collaborative venues such as science and engineering achieve the best results when everyone has an equal voice. Current and future leaders will be required to work and build ideas within a diverse community of scientists and engineers.

For these reasons, a major portion of the conference will be dedicated towards the promotion of diversity, inclusion, and gender equality within the engineering community, as well as developing the interpersonal skills that go along with these issues. In addition to special talks, a workshop, and a social event, we also plan on opening a special track for papers focusing on diversity within the engineering community.

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The University of Florida ANS Student Chapter

The University of Florida student chapter of the American Nuclear Society (UF ANS) contains an engergetic and driven group of students. Professional development has been a top priority at UF ANS, with many alumni coming back to give talks and a large number of students recieving aid to attend ANS National conferences. The executive body of ANS has been strong the past several years, which has helped the chapter win the Glasstone award for Best Student Section in 2014; in 2015, and 2016 the chapter recieved an honorable mention.

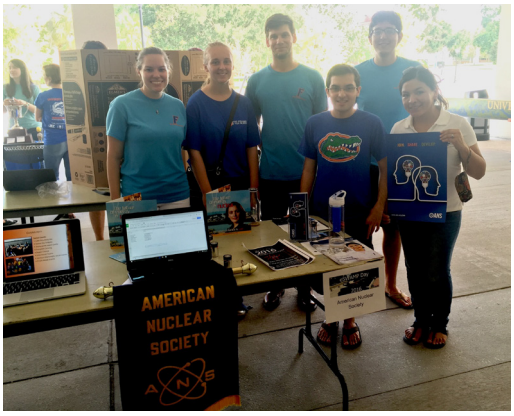
STRUCTURE

UF ANS is an officially recognized university organization, run by an executive board consisting of twelve students and one faculty advisor. The majority of the events are coordinated by two vice presidents, one focusing on external affairs and the other on internal affairs with guidance from the president as well as other various executive board members.

As the position names imply, the Vice President of External Affairs oversees events which happen off of campus, while the Vice President of Internal Affairs deals with on-campus events. The President and both Vice Presidents work closely with the Treasurer to make sure all activities are funded, while the Secretary relays the planning of events to the general body. The remainder of the Executive Board includes the Social Chair, who works under the Vice President of Internal Affairs, the Historian, who works under the Secretary, an Assistant to the Treasurer, an Engineering Council Chair, and a three-member Board of Governors.

ACTIVITIES

In an effort to promote professional development and foster a community within the department, we are involved, or put on many activities on and off campus. On-campus, UF ANS helps recruit new members and promote nuclear science and engineering through tabling events and educational activities.



Tabling event for UF's Women in Engineering event

ACTIVITIES

For the UF football game against Kentucky, UF ANS hosted a tailgate attended by over 30 people. Several professors stopped by along with students from other engineering disciplines.

Staying cool during athe UF vs. Kentuck Tailgate.

To kick off the Fall 2016 semester we had a 'Minute to Win It' game night on campus. Many new graduate students and younger undergraduates came for a night of fun and games. This was a useful event as it helped many of the new students, as it allowed them to get to know one another better in a more casual environment.

RECENT ACHIEVEMENTS

Several members of the outgoing E-board of ANS and new members attended the Summer ANS meeting in New Orleans, where a Glasstone honorable mention was recieved. Five UF students have also recieved ANS scholarships for the current academic year.

Chapter President Zander Mausolff Recieving the 2015 Glasstone Honorable mentionmention

TOURS

On October 20th, 2015, the UF Student Section took their first ever tour to the Savannah River Site in Aiken, South Carolina. Nine students, ranging from sophomores to Ph.D candidates, attended the tour. Upon arrival, attendees received an overview of the site operations and had Dr. Alice Murray, Associate Director of Science and Technology at the Savannah River National Laboratory (SRNL), give a presentation about the ongoing research at the lab. There was also a presentation on internship opportunities for nuclear engineering students, and job opportunities for those graduating. At SRNL, students toured the Actinide Groups facilities where they got to see and hear about shielded cells and Co-60 irradiators. Going back to the General Site Area, the tour culminated in a visit to the Tritium Extraction Facility. Former UF Nuclear Engineering graduates Bill Wabbersen and Jon Guy led students on this tour of one of the most unique facilities in the country. Students left the tour with a new perspective on the possibilities in the nuclear industry, and a first-hand look at what their life could look like in the nuclear industry.

Visiting the Tritium Extraction Facility

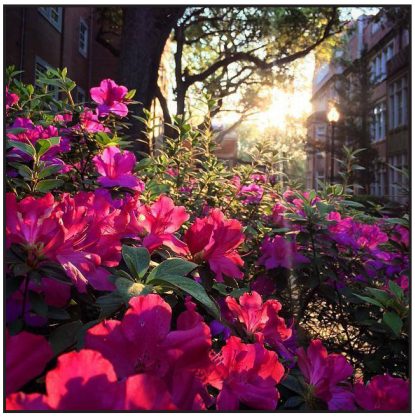
ABOUT GAINESVILLE FLORIDA

Gainesville is the largest city and county seat of Alachua County. It serves as the cultural, educational and commercial center for the North Central Florida region. Known for its preservation of historic buildings and the beauty of its natural surroundings, Gainesville's numerous parks, museums and lakes provide entertainment to thousands of visitors. Because of its beautiful landscape and urban 'forest', Gainesville is one of the most attractive cities in Florida. It is where state parks are a virtual playground of world-class natural attractions, sinkholes, waterways and waterfalls, shady pine forests, flora and fauna, and amazing natural north Florida sunsets.

Downtown Gainesville at night.

April, the proposed month for the conference, is one of the most pleasant times of the year. The days are sunny and warm and the evenings are temperate. Unlike in the popular proverb, "April showers bring May flowers", Gainesville spends 2 out of every 3 days clear and sunny, with any rain clouds passing quickly. It is the perfect time of the year to explore Gainesville and surrounding areas, inside and out. North central Florida is also known for its abundance of parks, springs, and trails, allowing ample opportunity for anything from day trips to a short afternoon stroll admiring Florida's natural beauty.

GAINESVILLE IN APRIL	
Average high	78-86 °F
Average low	54-60 °F
Hours of Sun per day	13 hrs
Average daily wind speed	7 mph

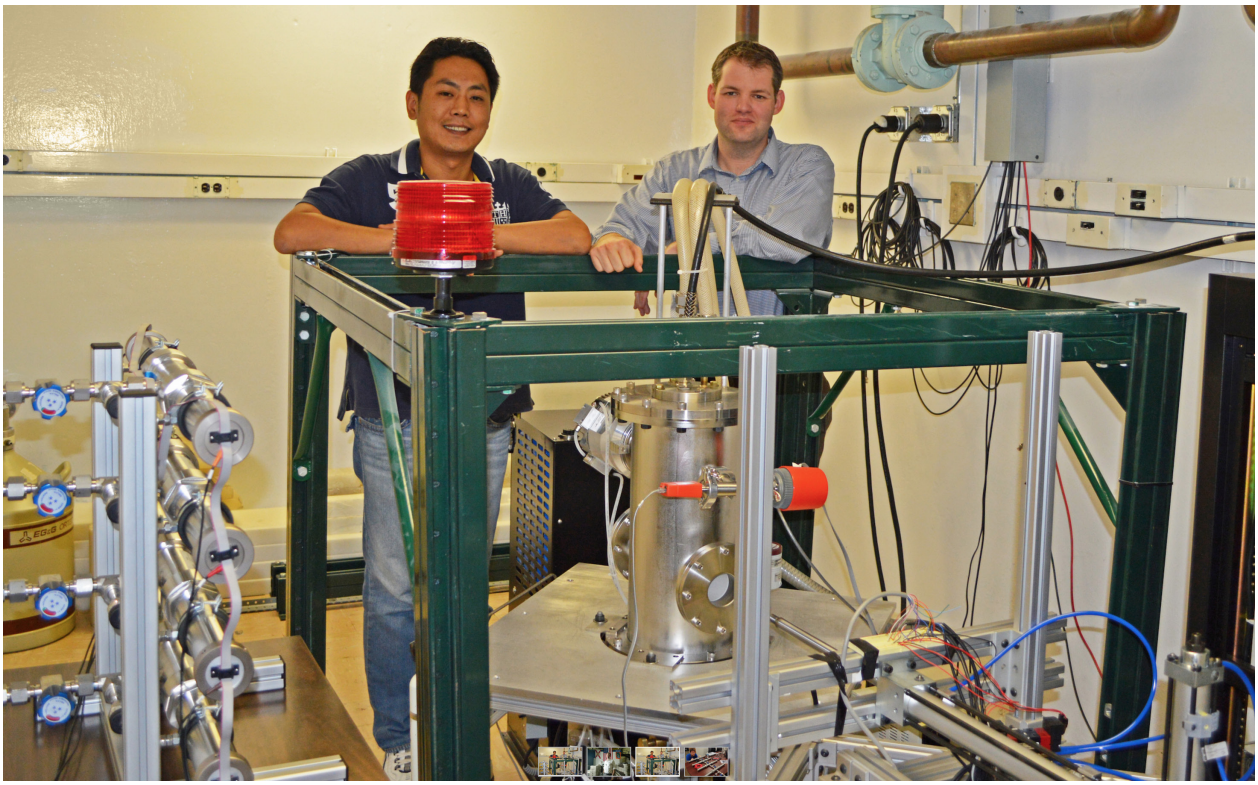


UF NUCLEAR ENGINEERING PROGRAM

The history of the Nuclear Engineering program at the University of Florida started in 1955, when $500,000 was appropriated to UF to build a training reactor, which went critical 4 years later. In less than a decade after that, the UF nuclear program was flourishing, awarding bachelors, masters, as well as PhD degrees and establishing a student chapter of the American Nuclear Society.

Today, the Nuclear Engineering program is a part of the Department of Materials Science and Engineering within the College of Engineering. We have grown to 9 research faculty supporting 105 undergraduate students and 40 graduate students. We have also brought in over $12 million in research grants over the last 3 years from various funding sources such as DOE, DTRA, DHS, National Laboratories, and industry partners. We also won an R&D 100 Award in 2013 for the development of a "High Flux Neutron Source".

The curriculum covers a variety of subjects including radiation interactions, particle diffusion and transport, reactor physics, thermal hydraulics, fuel cycle and waste management, risk assessment, and radiation protection and dosimetry. To advance the use of nuclear science and engineering, the NE faculty have been involved in cutting edge research in many different areas including high performance computing, advanced reactor design, fuels for space nuclear power and propulsion, particle transport methods and their application for simulation of real-life nuclear systems, reactor physics, advanced nuclear fuel design, and nondestructive testing and detection. Our program is quickly rising to preeminence with two new hires in the last two years and two additional faculty arriving in Spring 2017.



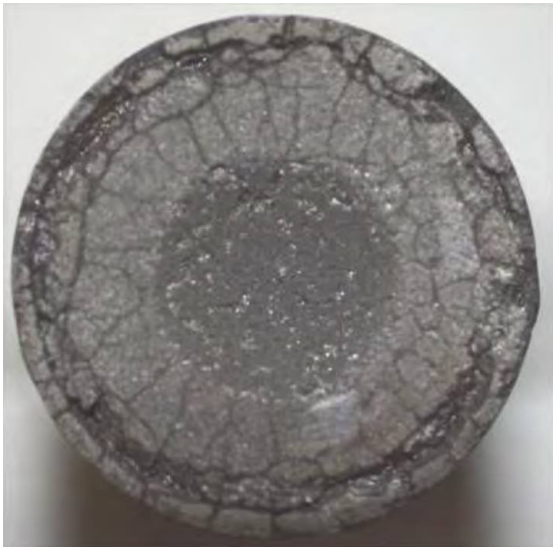
RESEARCH AT UF

NUCLEAR MATERIALS

Nuclear materials research in the Nuclear Engineering Program at UF is focused on developing advanced nuclear fuel material to improve the thermal conductivity of the nuclear fuel, resulting in reduced fuel temperatures, fuel thermal expansion, thermal cracking and fission gas releases to produce a better-performing, higher burn-up, and more accident-tolerant fuel.

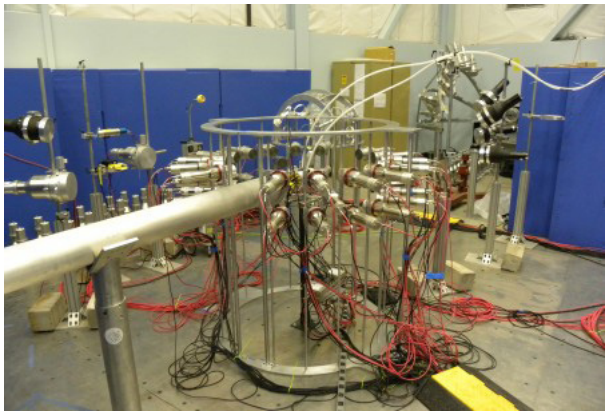
Recently, Dr. Yang was awarded a half million dollar NEUP grant for a research proposal titled "Understand the Phase Transformation of Thermally Aged and Neutron Irradiated Duplex Stainless Steels Used in LWRs".

This project aims to fundamentally understand the elemental evolution, segregation and precipitation in duplex stainless steels upon irradiation and thermal aging. Researchers will conduct systematic X-ray measurements including X-ray diffraction, Extended X-ray Absorption Fine Structure Spectroscopy and in-situ tensile testing using WXAS on existing irradiated cast stainless steels and welds. The study will also be augmented by microstructural characterization using TEM and APT.



NUCLEAR SECURITY AND SAFEGAURDS

Research in nuclear security and safeguards includes research on neutron detection and neutron reactions for nuclear engineering and safeguards. We focus on improving non-destructive detection methods of special nuclear materials. Neutron detection for fission, spallation, and alpha-n reactions are of particular interest, as is the physics of fission, and the interaction mechanisms between neutrons and detector materials.



The research aims to improve on existing data, and implement new methods and analysis tools that can be used for safeguarding nuclear material, as well as be used in nuclear power and science. We try to find solutions for monitoring and analyzing nuclear materials by covering the life cycle all the way from the mine to the current and future nuclear reactors as well as radiation-inducing accelerators and spent nuclear fuel.

Dr. Baciak recently recieved a $2,500,000 NEUP grant for the "Development of Mobile Manipulation and Survey System for H-Canyon and other Applications across the DOE Complex",
the goal of which is for researchers to develop and deliver a mobile manipulation and survey system capable of meeting the requirements necessary to properly inspect and survey the H-Canyon air ventilation tunnels at Savannah River Site

RESEARCH AT UF

MODELING AND SIMULATION

Exciting new developments in multi-scale and multi-physics modeling, coupled with the rapidly advancing capabilities of high-performance computers and associated algorithmic and simulation methodologies, are making it possible to simulate nuclear systems with much higher fidelity than ever before. An integrated focus on advanced computational modeling and simulation research underlies all of the main application areas of the department.

At UF, NE faculty and students are engaged in research in a number of important areas, including advanced modeling and simulation of reactor neutronics, reactor criticality safety, methods development for reactor physics applications, radiation shielding methods development, neutron and gamma cross section data processing methods and tools, as well as methods and code development for static and time-dependent neutron transport.

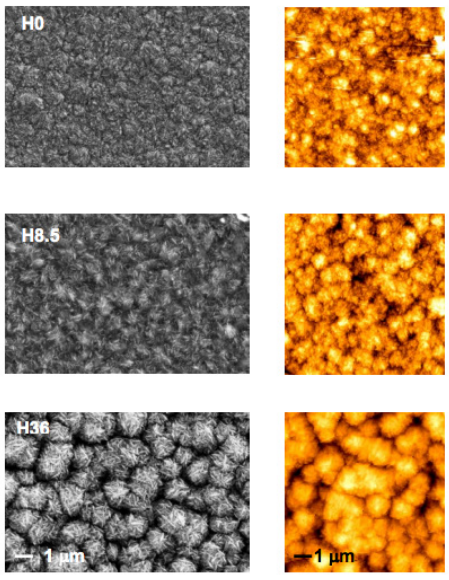
Advanced simulations are performed on the second-largest public research computer in the nation, the HiperGator. With over 50,000 cores, researchers are able to get results faster and easier than before.

THERMAL HYDRAULICS

Research in thermal hydraulics and reactor safety encompasses studies of two-phase flow, heat transfer, phase change, coolant dynamics, liquid metal flow, magneto-hydrodynamics and various phenomena related to reactor safety. Thermal hydraulics research at UF is conducted at the Laboratory for Visualization, Imaging, and Computation of Thermohydraulics for Reactors (VICTR), where research is focused on two-phase flow, nuclear reactor thermal hydraulics, quantitative visualization, nuclear reactor safety, computational and numerical methods including coupled codes and advanced nuclear power systems.

PLASMA PHYSICS

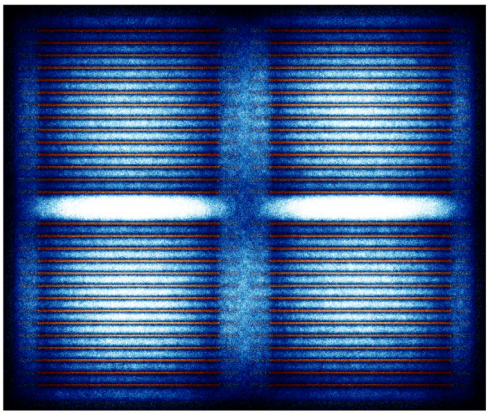
Research in plasma physics at the University of Florida has three primary topic areas: high energy density plasma modeling, fusion reactor fueling, and alloy and composite studies. Research in plasma physics and fusion energy is conducted as part of the BEARS laboratory, headed by Dr. Leigh Winfrey. This research group has both experimental and computational subgroups which focus on the creation and improvement of existing plasma physics technology.



RESEARCH AT UF

NUCLEAR REACTOR RESEARCH

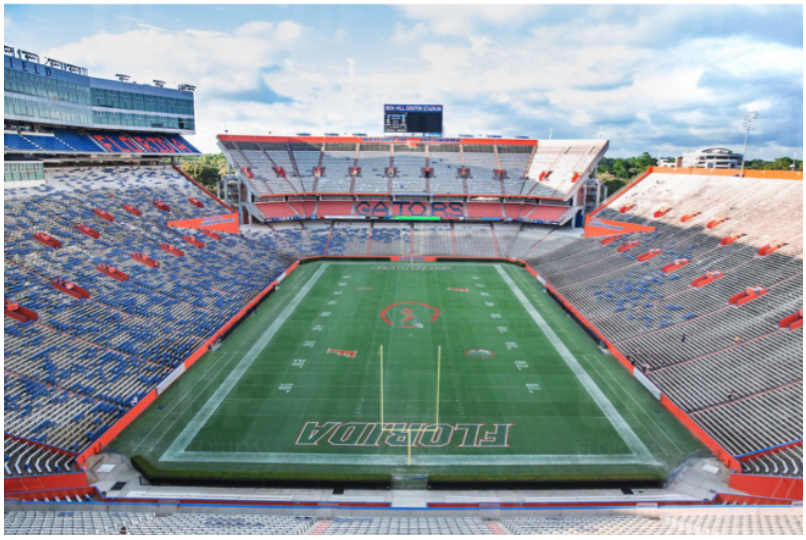
Fission technology has been synonymous with nuclear power generation since the 1950. Today, fission is entering a new era- one in which new-generation reactors, upgraded existing plants, and new fuel cycle strategies will redefine nuclear power's role in the world's overall energy supply. Future reactors will take advantage of advanced design and construction techniques to use fuel more efficiently, generate less waste, reduce capital and operating costs, and work in tandem with intermittent sources of renewable energy, while continuing to provide electricity without carbon emissions.



Nuclear engineering is unique at UF because of the augmentation by the UF Training Reactor (UFTR). The reactor is one of only thirty-one research reactors in the country, an Argonaut-type reactor with a power limit of 100 kW. The reactor uses low enriched uranium (LEU) as fuel after undergoing a fuel conversion in 2006. It was built and began operation in 1959, and plays a vital role in the Nuclear Engineering education at UF. It provides tools for training, education and experiment for students and allows collaboration between faculty in areas of nuclear physics and materials.

UF AT A GLANCE

The University of Florida is the hub of culture and community for North Central Florida. It is home to two museums, the Florida Museum of Natural History and the Harn Museum of Art in the southwest part of campus, as well as five performing arts facilities dedicated to providing an unparalleled experience serving the student body, faculty, university staff, Gainesville residents and visitors to North Central Florida. UF also has a rich history in intercollegiate sports; it is home to nine men's sports teams and twelve women's sports teams, and has sent 163 athletes and 13 coaches to the Olympics since 1968. Ben Hill Griffin Stadium sits at the heart of campus where 88,548 Gator fans gather on Saturdays in the Fall to cheer on the Gator football team. It remains open throughout the year, including weekdays, and is a popular place for students, faculty, and staff to spend time running and doing stadium workouts.



The famous Swamp Stadium

The University of Florida is also a focal point of research and innovation in the south. Every day Gators strive for a better world through better research; we live true to our motto "For the Gator Good". Our students utilize more than 200 research, service and education centers, bureaus and institutes. With some of the most future-focused facilities led by some of the best minds in their fields, it's no wonder UF is consistently ranked among the nation's top universities.

Rankings like 4th among AAU publics and 3rd in Kiplinger's "Best Values in Public Colleges" are a result of UF's commitment to provide the highest quality education at the best value.

We are the fifth largest university in the nation, offering 30 degree certificates, 100 undergraduate majors, and 200 graduate programs to 49,785 students. The College of Engineering (COE) is home to over 8,700 of those students and 15 of those degree programs. The COE is the largest professional school, the second largest college, and one of the top three research units at UF.

COLLEGE OF ENGINEERING	
Year Established	1910
Total number of students	8,700
Enrollment of women in Engineering	Top 1%
Total STEM degrees awarded	Top 10
Hispanic PhD Enrollment	Ranked #4
Specialized Research Institutes	20
Student Organization in the COE	52

GATOR Engineering UNIVERSITY OF FLORIDA

COMMITMENT TO DIVERSITY AND EQUALITY

Our proposed conference theme is "Nuclear Equality". We firmly believe that stimulating diversity and treating all people equally fosters a more creative, dynamic, and productive work force. The Regulations of the University of Florida Section 1.006 Paragraph 1 specifically states that:

> *The University is committed to non-discrimination with respect to race, creed, color, religion, age, disability, sex, sexual orientation, gender identity and expression, marital status, national origin, political opinions or affiliations, genetic information and veteran status... This commitment applies in all areas to students, Academic Personnel (AP), Technical, Executive, Administrative, and Managerial Support (TEAMS) staff, University Support Personnel System (USPS) personnel, and Other Personnel Services (OPS) employees.*

UF also offers a variety of resources to help establish and maintain fair employment and admission practices, as well as make the university a safe space for everyone. University President, W. Kent Fuchs, established a Council on Diversity that has been tasked with developing an action plan to assist the university in achieving its goals related to diversity, provide input and broad oversight of the university's diversity efforts, view diversity from a broad perspective to the benefit of every member of the campus community, and recommend and implement diversity initiatives.

MULTICULTURAL AND DIVERSITY AFFAIRS

UF's Multicultural and Diversity Affairs (MCDA) is a department within the Division of Student Affairs. It is one department comprised of five underserved population-specific areas: Asian and Pacific Islander Affairs, Black Affairs, Hispanic-Latino Affairs, and Lesbian, Gay, Bisexual, Transgender, and Queer Affairs. Although sometimes population specific, MCDA provides a wide array of activities, programs, trainings, initiatives, and opportunities aimed to reach all students at UF. MCDA engages, educates, and empowers students, campus constituents, and community partners to promote self-awareness, intercultural understanding, and meaningful inter/intra group dialogue around issues of equity and inclusion for the Division of Student Affairs and the larger campus community. We will engage with the MCDA to enrich our conference programming.

mcda
multicultural & diversity affairs
Division of Student Affairs

SELECTION OF DATES

SELECTION

The selection of dates is of upmost importance when hosting a conference for students. To maximize the number of students who will be able to attend the conference, we aim to minimize the number of conflicts with each schools events. One issue in doing so for a conference in 2018 is that many schools have not released an academic calendar for that year. In the situations where an academic calander was not readily available, dates for school activities were extrapolated from 2017 data. Based on researching all 42 schools listed as active on the ANS website, our ideal conference dates are April 5th - 8th, 2018. If we are undable to secure those dates we will try for April 12th - 15th, 2018. The primary concerns for conferences in the Spring are finals dates, Spring Break, sporting events and Good Friday.

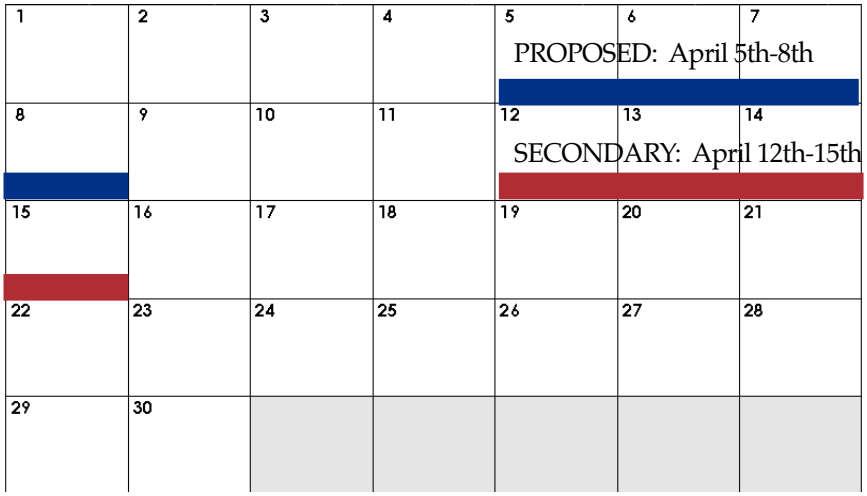
JUSTIFICATION OF DATES

The dates selected have been chosen for several reasons. The main reason is the minimal conflicts of these dates with schools active in ANS. The only conflicts found based on available data was with West Point's Sandhurst Competition, which is scheduled for April 8-9, 2017, and thus we anticipate a similar time frame for 2018. Additionally, the City College of New York has a scheduled Spring Break that overlaps with our first choice in conference dates. A summary of conflicts is available in Appendix G.

Based on 2017 data, the United States Naval Academy will likely have finals ending irght around the conference start dates. With these three exceptions, the proposed conference dates do not overlap with schools times off. We note that Good Friday falls on March 30th, 2018, so there is no concern with overlap with that holiday in which students may want to be with his or her family.

Besides, minimal conflicts with other schools, it is an excellent time at UF for a conference. A major reason is the favorable and moderate temperatures. This makes travel easier for conference attendees. Having the proposed dates in mid April avoids any congestion on campus from Sporting events such as Basketball and Football. This is especially important given the proximity of the nuclear-related buildings and Reitz union to the Basketball and Football Stadiums.

APRIL 2018



ATTENDANCE

PROJECTED ATENDANCE

We anticipate 430 students and 120 professionals Projected attendance is based largely on historical data on previous conference numbers provided by Paula at ANS National, and the ease of access in traveling to Florida during April. With the cost of proposed hotels under $150 a night and flights on average under $400 to Gainesville and surrounding airports, making travel and lodging affordable for most students.

School	Year	Students	Professionals	Career Fair
University of Wisconsin	2016	438 [500]	118 [150]	13
Texas A&M	2015	380 [500]	87 [150]	38
Pennsylvania State	2014	388 [400]	134 [120]	
MIT	2013	531 [420]	80 [150]	26
Brackets indicate proposed conference attendance				

PROPOSAL COMMITTEE

PATRICK MOO

GENERAL PROGRAM CO-CHAIR

Patrick is currently a second-year graduate student within the Nuclear Engineering Program at the University of Florida. Working on a NEUP-funded assistantship under Professor James Tulenko, Patrick's current project is focused on the experimental determination and modeling of used fuel drying by vacuum and gas circulation for dry cask storage. He also is active in his group's projects dealing with the fabrication of UO2 composite fuels with enhanced thermomechanical properties using the spark plasma sintering technique.

Ever since arriving to the University of Florida in 2012, Patrick has also maintained an active presence with the school's student chapter of ANS, once serving as President and is currently in his fifth consecutive year on the Executive Board. He has been to a total of four student conferences, presenting work at three, as well as co-authoring the Best Overall Undergraduate Paper in 2015.

He has continued his active role in ANS, and most recently served as Student Program Co-Chair at the 2016 Annual Meeting. He is also active within the Student Sections Committee, and is currently developing the committee's new webpage. He's also currently serving as Logistics Co-Chair of the ANSTD's annual topical meeting to be held in Orlando in February of 2017.

ZANDER MAUSOLFF

TECHNICAL PROGRAM CO-CHAIR

Zander is a second-year graduate student pursuing a PhD at UF. He graduated Cum Laude with a B.S. in Physics and a minor in Mathematics from the University of San Francisco in 2014. At USF he complete an Undergraduate Thesis on Frequency Modulation Spectroscopy. He recently was awarded a NEUP Fellowship for work relating to the development of Time Dependent Neutron Transport Codes for transient analysis. Recent work has been focused on multi-physics modeling of TREAT at the INL to support in its restart. As the lead graduate student for the GAMeS Lab at UF he mentors several undergraduates as part of the UF research mentorship program.

Apart from research he is highly active in ANS. Currently he is the President of the Student Chapter of ANS at UF. Additionally, he is the student program chair for the NETS meeting in 2017, and the student program chair for the 2018 National Conference in San Franicsco. Apart from that he recieved the Nuclear Criticality Pioneers Scholarship for 2016.

When not pursuing academic endeavors Zander enjoys skateboarding, skiing, playing soccer, and fixing cars. He is particularly interested in decentralized computing platforms such as bitcoin, Ethereum and how they may disrupt the status quo of banking and information distribution.

KRISTIN SMITH

PROGRAM LOGISTICS CO-CHAIR

Kristin is a third-year nuclear engineering student with a minor in mathematics at the University of Florida. She received her Associate of Arts in Engineering from Lake-Sumter State College, before transferring to UF in the fall of 2015. She is an undergraduate researcher under the advisement of Dr. Sedat Goluoglu in the Gateway for Advanced Modeling and Simulation (GAMeS) Lab. Currently, Kristin serves as the Internal Vice President of the UF student chapter of the American Nuclear Society. In her free time, she enjoys playing the flute, watching football, and cooking for her family and friends.

Kristin has been involved in the planning of many conferences over the last several years. Her meticulous attention to detail has helped her negotiate with hotels as well as create catering menus that can satisfy all manner of peculiarities. Additionally, as Internal Vice President of the Student Section, she has planned many events to entertain students and faculty alike. Kristin also greatly enjoys helping the North Florida ANS Local Section conduct its outreach activities at local schools and events.

DANIEL ARIZAGA

FINANCE COMMITTEE DIRECTOR

Daniel Arizaga is a junior nuclear engineering student who transferred from Santa Fe College and will graduate in May 2018. He was involved with solar thermochemical production research from the university's Department of MAE. Once he graduates, he plans to become a nuclear propulsion submarine officer in the United States Navy and help maintain the nuclear reactors that drive its fleet.

SUSAN STANFILL

COMMUNICATIONS COMMITTEE DIRECTOR

Susan is a junionr nuclear engineering student with experience in nuclear fuels research. She is the social chair of the UF ANS student section and is an International Engineering Ambassador. Outside of school, her passions include traveling, music, and exploring the great outdoors.

FORREST SHRIVER

TECHNICAL COMMITTEE DIRECTOR

Forrest Shriver is a first-year graduate student in nuclear engineering. He received his Bachelors of Science in Physics from the University of Texas Rio Grande Valley (UTRGV), where he graduated Summa Cum Laude. His research interests include Small Modular Reactors and machine learning as it might be applied to nuclear data.

KAYLA CLEMENTS

PROGRAM COMMITTEE DIRECTOR

Kayla Clements is a sophomore at UF majoring in Nuclear Engineering with a minor in French and Francophone Studies. Although relatively new to ANS, Kayla has helped in hosting several student conferences for various organizations and plans to attend the ANS Student Conference in 2017.

NATHAN DOERR

SOCIAL ACTIVITIES COORDINATOR

Nathan Doerr is a sophomore at UF majoring in Nuclear Engineering. Nathan enjoys spending time with his family and sipping fine sweet tea on the coast of Florida. When not enjoying the beach, Nathan rides his ATV through the forrests of central Florida. He takes great pride in his on-campus involvement with the Happy Hands club of UF.

JOHN TYLER ASKEW

SPEAKER AND PANEL COORDINATOR

Tyler is a senior Nuclear Engineering major graduating in May 2017. He is a member of the Alpha Nu Sigma National Honor Society. He intends to work in the power industry after, graduation focusing on thermal hydraulics and core design. He is from Miami, FL and transferred to UF in 2014. He is active within ANS UF as well as other student organizations at such as Aero Gators, Best Buddies, and March of Dimes.

RAE BRUENDERMAN

PAPER REVIEW COORDINATOR

Rae Bruenderman is a junior undergraduate student in nuclear engineering. She is the former Social Chair of the UF ANS Student Chapter and current Secretary.

MATT COOK

SPECIAL EVENTS COORDINATOR

Matthew graduated from the University of Northern Iowa in 2015 with a B.S. in Physics. While there he spent 3 years performing research in nanoscience. Matthew now attends The University of Florida where he is a first-year master's student.

NOAH MCFERRAN

TECHNICAL EVENTS COORDINATOR

Noah McFerran is a current nuclear engineering graduate student at the University of Florida working on Emission Tomography for Dr. Andreas Enqvist. He is the current INMM Treasurer and during his undergraduate in chemical engineering at UC Irvine he was the manager of the 2016 Chemical Engineering Car Western Region Champion team for AIChE and was the 2015-16 President of the ANS at UC Irvine

SHIRLY SPATH

MARKETING COORDINATOR

Shirly Spath is a transfer student form the University of Cincinnati, and is beginning her junior year. She works as an Undergraduate Research Assistant for the Uncertainty Quantification Team at the Center for Compressible Multiphase Turbulence directed by Dr. Balachandar, who works with the NNSA and the DOE. She will be graduating in May 2018 with a Bachelor's degree in Nuclear Engineering and plans on pursuing a Masters degree.

NOAH HEINTZ

TRANSPORTATION COORDINATOR

Noah Heintz is a junior pursuing his Bachelors of Science in Nuclear Engineering. A past secretary at UF ANS, he has been selected for the Navy Nuclear Propulsion Officer Candidate Program, where he hopes to gain experience as a reactor operator and help promote safe and sustainable nuclear energy in future endeavors.

DAVID PRIDA

SPONSORSHIP COORDINATOR

David is a junior at the University of Florida majoring in Nuclear Engineering. He is excited about his new passion and eager to see where nuclear will take him in the future.

HANNAH GARDINER

HOSPITALITY COORDINATOR

Hannah Gardiner is a third-year PhD graduate student funded by a fellowship from the Nuclear Regulatory Commission. Her research interests include gamma-ray spectroscopy and wide-area radiological mapping systems (ground and aerial) for on-site inspection associated with the Comprehensive Test Ban Treaty. She received her B.S. degree in Physics from Louisiana State University in May 2014 and her M.S. degree in Nuclear Engineering from UF in May 2016.

CARSON BEATTIE

BANKING COORDINATOR

Carson Beattie is a freshman undergraduate at the University of Florida majoring in nuclear engineering. He is the current Historian for the UF ANS Student Chapter. Apart from academic affairs Carson enjoys playing flag football and four-wheeling in his Dodge.

DHAVAL PATEL

WEBSITE COORDINATOR

Dhaval Patel is a junior majoring in nuclear engineering. His major interest in nuclear is the application of fast reactor technology to next generation designs. He enjoys traveling and hanging out with his hampster.

KEVIN ALBERTSSON

WORKSHOP FACILITIES COORDINATOR

Kevin is a sophomore majoring in nuclear engineering at the University of Florida. Beyond the technical aspects of nuclear Kevin enjoys learning about the policy driving the adoption of nuclear power abroad. When not at school Kevin spends his time deep sea fishing and listening to James Blake.

IAN CRAVEN

REGISTRATION COORDINATOR

Ian is a freshman nuclear engineering major at the University of Florida and a strong advocate for energy equality. He intends to do research in the field of reactor physics in order to design more efficient reactors for future generations.

SAGE HUNT

MOBILE APP COORDINATOR

Austin Sage Hunt is from Upstate New York, and moved to Florida to further his education. He attends the University of Florida as an undergraduate student, majoring in nuclear engineering, and minoring in physics.

GENERAL PROGRAM CHAIR
Patrick Moo

TECHNICAL PROGRAM CHAIR
Zander Mausolff

PROGRAM LOGISTICS CHAIR
Kristin Smith

FINANCE COMMITTEE

FINANCE COMMITTEE DIRECTOR
Daniel Arizaga

BANKING COORDINATOR
Carson Beattie

SPONSORSHIP COORDINATOR
David Prida

REGISTRATION COORDINATOR
Ian Craven

PROGRAM COMMITTEE

PROGRAM COMMITTEE DIRECTOR
Kayla Clements

HOSPITALITY COORDINATOR
Hannah Gardiner

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Matt Cook

TRANSPORTATION COORDINATOR
Noah Heintz

SOCIAL ACTIVITIES COORDINATOR
Nathan Doerr

TECHNICAL COMMITTEE

TECHNICAL COMMITEE DIRECTOR
Forrest Shriver

PAPER REVIEW COORDINATOR
Rae Bruenderman

TECHNICAL EVENTS COORDINATOR
Noah McFarren

SPEAKER AND PANEL COORDINATOR
John Tyler Askew

WORKSHOP FACILITIES COORDINATOR
Kevin Albertsson

COMMUNICATIONS COMMITTEE

COMMUNICATIONS COMMITTEE DIRECTOR
Susan Stanfill

WEBSITE COORDINATOR
Dhaval Patel

MOBILE APP COORDINATOR
Sage Hunt

MARKETING COORDINATOR
Shirly Spath

RESPONSIBILITIES

CO-CHAIRS

General Program Chair - Oversee conference activities. Ensure milestones and deadlines are met. Delegate logistics to other members of the committee. Any problems during and before the conference will be handled by the general program chair. Additionally, the general program chair is the main point of contact for the conference.

Technical Program Chair - Work in conjunction with General Program Chair to ensure milestones and deadlines are met. Responsible for overseeing technical topics such as paper submission, technical workshops, technical panels, website development, and mobile app creation.

Program Logistics Chair - Work in conjunction with General Program Chair. Main responsibility is working with hotels by ensuring room blocks are filled, guest problems are resolved, and contracts with hotels are not broken. Other activies include overseeing non-technical panels and workshops, transportation, and speakers.

FINANCE COMMITTEE

Finance Committee Chair - Work closely with Program Logistics Chair to ensure financial deadlines are met. Approve payments for conference activities. Work with General Program Chair on reimbursements of students. In charge of the Banking, Sponsorship, and Registration Coordinators. Reports directly to the General Program Chair.

Banking Coordinator - Coordinate with ANS National to open an account with them for large donations. Create second acount for day-to-day payments before and after the conference. Reports directly to the Finance Committee Chair.

Sponsorship Coordinator - Ensure sponsors recieve any tax write off documentation if requested. Distribute sponsorship packet to targeted sponsors. Any concerns raised by sponsors will be communicated to the co-chairs. Reports directly to the Finance Committee Chair.

Registration Coordinator - Work with ANS National to create online registration portal. Oversee registration booth during the conference. Reports directly to the Finance Committee Chair.

PROGRAM COMMITTEE

Program Committee Director - Oversees special events, transportation during and to the conference, and conference socials. Communicates with busing company to ensure students are transported in a timely manner during the conference. Confirm off-campus socials and communicate directly with those running the bar or restaurant hosting the social. Reports directly to the Program Logistics Chair.

Hospitality Coordinator - Coordinate with hotels during day to day operations while the conference is underway. Help ensure the hotel blocks are filled and the contract is met with each respective hotel. Manges student volunteers during the conference to guarantee proper staffing for events. Reports directly to the Program Comittee Director.

Special Events Coordinator - Ensure banquets, lunches, and breakfast are ready for attendees. Coordinate the Champions Club Banquet. Reports Directly to the Program Committee Chair.

Transportation Coordinator - Communicate with busing companies to make sure adequate buses are available to transport guests. Coordinate travel for students flying into airports outside of Gainesville. Reports directly to the Program Committee Chair.

TECHNICAL COMMITTEE

Technical Committee Director - Responsible for poster sessions, technical workshops, technical sessions, and paper submissions. Finalize technical tracks for papers and oversee creation of online paper submission portal. Organize paper reviewers. Communicate with technical workshop instructors. Ensure guest accounts for the HiperGator are created and work properly for compuational workshops. Create rubric for judging technical presentations, distribute to judges, and collect evaluations. Determine winners based on judge's evaluations. Reports directly to the Technical Program Chair.

Paper Review Coordinator - Work with Website Coordinator to ensure online paper submission is functioning. Assist Technical Committee Director with distributing the call for papers. Coordinate with paper reviewers to ensure papers are reviewed throughly and in a timely fashion. Reports directly to the Technical Committee Director.

Technical Events Coordinator - Main task is to ensure technical presentation rooms have proper audio visual equipment. Organize accepted papers for presentation into tracks. Assist in the setup of technical workshops. Reports directly to the Technical Committee Director.

Speaker and Panel Coordinator - Communicate with speakers and panelists to ensure all their needs are met. Coordinate rooms for speakers and panelists. Verify all speakers and panelists will be able to attend. Report Directly to the Technical Committee Director.

Workshop Facilities Coordinator - Work with Technical Committee Director to ensure guest accounts are made on the HiperGator and all necessary software is installed and functioning. Assist workshop instructors with attaining all necessary materials. Reports directly to Technical Committee Director.

CONFERENCE PROGRAM COMMITTEE

Communications Committee Director - Primary duties consist of communicating with student and professional attendees. Will provide updates on deadlines and conference information. Oversees the purchase and hosting of the website. Other duties are to maintain the website, ensure the mobile app reflects the conference program, and advertise the conference to ANS members. Reports directly to the Program Logistics Chair.

Website Coordinator - Responsible for updating the website, and ensuring hosting of the website goes uninterupted. Works with paper review coordinator to have the online paper submission working properly.

Mobile App Coordinator - Transfers program information to the application creator. Verifies information is correct on the app and works on multiple phone operating systems. Reports Directly to the Communications Committee Director.

Marketing Director - Distributes promotional material for the conference to students and professionals. Works with Sponsorship Coordinator to have sponsor logos on conference items. Reports directly to the Communications Committee Director.

CONFLICT RESOLUTION

If under any circumstances there is a conflict between members of the conference planning committee or there is a consensus that a member is not fulfilling their duties for their respective positions, a grievance may be filed with the UF ANS Student Section Board of Governors. The Board of Governors is a three person panel with ultimate overriding authority within the UF ANS Executive Committee. The Board of Governors will also fulfill the duty of finding a replacement conference co-chair should the need arise. The conference co-chairs will maintain responsibility of replacing all other committee members should a position be vacated. Any decision made by the Board of Governors must be approved by the UF ANS Faculty Advisor. If said decision is approved by the Faculty Advisor, the decision is then final.

In the interest of creating a neutral and independent Board of Governors, members of the conference planning committee will not be permitted to run for these positions during our section's annual elections which will be held in April of 2017. In addition, any current member of the Board of Governors who is also on the conference planning committee shall vacate their Board of Governors position at the time of conference host selection.

STAFFING REQUIREMENTS

A student conference requires volunteers to make sure workshops, tours, and other events run smoothly and efficiently. The members of the planning committee will be responsible for assisting the co-chairs in ensuring that events specific to their respective committee position are carried out successfully. Additional staffing requirements such as manning the registration desk, conference hotline, assisting with tours, panels, workshops, and technical sessions will be provided by members of the UF ANS Student Section. We also intend on having a 24-hour conference hotline available for attendees. This will be intended for answering any questions or clarifications about conference-related matters. The hotline will also provide assistance for travel if the unlikely event arises where an attendee finds him/herself without access to transportation at any time during the conference. If an attendee is experiencing an emergency, these incidents will be immediately forwarded to the University of Florida Police Department and 911.

Members of the UF ANS student section will certainly play a large role in conference staffing. With approximately 75 currently active members and a substantial increase in the involvement of active freshman & sophomores over recent years, we are confident in our section's ability to meet or go beyond the necessary requirements for hosting the conference. Our section grows larger every year, which can be attributed to the benefits of being involved with ANS that our most active members demonstrate on a regular basis.

PRELIMINARY PROGRAM

EQUALITY PANEL SERIES

For our panel discussions, we reached out to dozens of members within the ANS community to gather their thoughts and opinions. We wanted to know what they felt were the most pressing issues related to our theme. We believed that it was important to the quality of the program that the panel discussions were molded not only by ourselves, but shaped by the nuclear and engineering communities. There were several common ideas, thoughts, and opinions among those we reached out to, and these were topics we decided to highlight. The majority of panel topics directly relate to either energy access, nuclear energy policy, or diversity and gender-related issues within STEM and nuclear-related fields. We also have three panel discussions which are more technical in nature. In general, we made an attempt to have at least one panel available from 8 AM – 5 PM every day, excluding the lunchtime hour. The panels are divided into the Equality Series and Technical Series with a total of twelve overall topics.

In addition to each topic, we've listed leads or lead candidates who work very closely to the issues and fields covered in each panel. We reached out to all of these leads and provided a description of their respective topic, and asked if they would be willing to participate in the panel should we host the conference. They've also agreed to assist our team in assembling robust groups of panelists for each topic by recommending various advocates and leading experts for us to pursue. Before reaching out to the listed leads, they were either recommended by University of Florida Nuclear Engineering faculty or leading members of the ANS community. Others had already established connections with members of our proposal committee, or have direct ties to the University of Florida. For those panels which have lead candidates listed, we've provide three names for each panel as candidates for being a lead. Upon being selected to host the conference, we will begin reaching out to these individuals. Should they not be available, several of the confirmed leads have expressed openness to help recruit experts in these areas,

ACCESS

1) **Advanced Reactor Concepts for Developing Nations**

Candidate Lead Name: Jacob DeWitte (Oklo), Harsh Desai (DOE), Simon Irish (Terrestrial Energy)

Beyond the technological challenges associated with building next-generation nuclear reactors abroad, panelists will discuss the political and economic uncertainties in doing so within developing nations. Since the topic has many directions, attendees will be asked for their input on the direction, whether more towards regulatory and policy, economic, or non-proliferation. If no clear direction is advocated for by attendees, the moderator will query the panelists on the topic of sustaining investment into the creation of reactor technology in developing countries. Often the barrier for many countries is not whether they want the technology, but rather is the lack of capital to get large-scale projects underway.

ACCESS

2) **Nuclear Energy beyond Electricity**

Candidate Lead Name: Shannon Bragg-Sitton (INL), Leslie Dewan (Transatomic Power), Charles Forsberg (MIT)

For many, the first thoughts that come to mind when nuclear is mentioned are bombs and power plants for electricity production. Panelists will discuss less-mentioned technologies that fall under the nuclear category, such as medical isotope production and desalination of ocean water. Attendees will take away the fact that nuclear is a diverse field and many options are available outside of traditional scope.

3) **Providing Energy for Remote America**

Lead Names: T. Bond Calloway (SRNL)

This panel will highlight the need for small scale energy in areas of the United States where energy access often goes overlooked. This includes many underserved small rural communities and native populations. Panelists will discuss solutions that may involve the use of nuclear technology, but are also open to discuss other pragmatic solutions. Economic considerations, as well as crossover into the various policy concerns involved with the construction of small-scale nuclear facilities will be covered.

POLICY

1) **Nuclear Equality: Creating an Equal Playing Field for Nuclear Energy**

Lead Name: Jerry Paul

In continuation of the campaign that helped inspire our theme, this panel will focus on equalizing policies through economic externalities such as carbon taxes, credits, and caps. Discussion will describe policies that internalize the externalities of energy production and that have the opportunity to put nuclear on a more level economic playing field. Although it's a well-known topic within ANS, this discussion will be informative for young attendees to beter understand the economic drivers of the energy market.

2) **ANS in the Current Political Realm**

Lead Name: Nick Thompson (RPI)

This panel will be an overview and interactive discussion of ANS Position Statements. Talks may develop into other issues that will be current at the time of the conference. Considering that 2018 will be a midterm, possible discussion in the direction the current political situation in D.C. is going may also be of interest to the panel. Potential political initiatives which members of ANS can enact or participate in will also be covered with respect to the current situation.

3) **Beyond the Mountain: Strategies for Siting Waste Facilities**

Lead Name: Katy Huff (University of Illinois)

Often the first question asked by nuclear skeptics when a student or professional reveals he or she is involved in nuclear power is "What about the waste?". Beginning with this question, panelists from academia, industry, and politics will discuss the current status of nuclear waste siting. The panelist will further develop their discussion towards exploring alternatives to the Yucca Mountain Project, including consent-based siting and other community-involved strategies for progress on the siting of spent nuclear fuel.

COMMUNITY

1) **Women in Engineering: Creating a New Normal**

Lead Name: Dean Cammy Abernathy (University of Florida)

Several women engineers and scientists will discuss their academic and social backgrounds and how they got to their current position. From there, a series of questions from the moderator will be given to prompt discussion of the social and cultural factors that deter women from joining the engineering workforce. Furthermore, panelists will discuss best practices for dealing with sexism in the workplace. In addition, because women are often excluded from informal social networks by which their male colleagues develop professionally, panelists will discuss their experiences navigating workplace social constructs. Attendees will be given an opportunity to pose questions to the panelists.

2) **Finding X: Being LGBTQA in STEM**

Lead Name: Wolfgang Sigmund (University of Florida)

A panel discussion on the current state of being an LGBTQA-identified person in a STEM field. The panel will be composed of panelists from academia and industry who can offer varying perspectives on several issues pertaining to the topic. This will include informative discussions on being out in the workplace and what companies are allowing you to be authentic, as well as insight on how to vet a company or workplace on LGBTQ friendliness.

3) **STEM Outreach in Underrsepresented Communities**

Lead Name: UF MCDA & College of Engineering

Most minority communities are underrepresented in nuclear and other STEM-related fields for a multitude of reasons. A common approach to reverse this trend is outreach to students in high school. Based on recent socioeconomic studies this approach may be targeting students too late. Students need to be mentored and educated about the possibilities of STEM careers in the elementary school age range, many studies suggest. Panelists actively involved in educational outreach will discuss strategies and activities that have been successful. The target attendee will be someone actively trying to engage with communities, such as ANS Student Chapter Members and educators.

EQUALITY WORKSHOP SERIES (2)

In addition to the Equality Panel Series, there will also be an Equality Workshop Series which will compliment and help build upon some of the topics covered in the panels. These workshops are intended to help participants gain the basic skills for interaction with those both in and outside of the nuclear community, skills that will better equip participants for being the leaders of tomorrow.

1) **Smart Advocacy: How to Effectively Communicate with the Public and Decision Makers**

Lead: Sam Brinton (Bipartisan Policy Center)

One of the greatest challenges among proponents of nuclear is educating the public and working to eradicate common misconceptions of nuclear energy. These same misconceptions are often also shared with policy makers. This workshop is intended on providing the tools for dealing with the public and decision makers on issues that are generally too complex for most people to understand. Strategies that nuclear energy advocates can employ in building a winning coalition with environmentalists will also be covered. This will also include analysis of anti-nuclear arguments and perspectives. The workshop may be applicable in an even broader spectrum of political issues that are driven by misconception and lack of information.

2) **Becoming an Ally to Underrepresented Groups**

Lead: UF MCDA

Allies to underrepresented groups such as the LGBTQA and minority communities have the potential of being highly effective advocates for the rights and advancement of tolerance, equality, and mutual respect. This workshop will help develop and further our approach to fostering a welcoming and inclusive workplace environment for people of all sexual orientations, gender identities, and ethnic backgrounds. This may include strategies for developing a successful diversity and inclusion program within academic and professional settings and/or simply how to effectively stand up for our colleagues in the face of discrimination and harassment.

POWERING THE WORLD DESIGN COMPETITION

Design Competition: Powering the World

Lead: Brett Rampal (NuScale)

The Powering the World Design Competition will provide students the chance to share any innovative ideas or designs that are focused on practical technologies that improve the standard of living for disadvantaged societies. The contest will be open to any idea the participating attendee feels would help achieve this goal. Each contestant will be given ten minutes to make their pitch to a panel of judges, with a five-minute question and answering portion between judges and the contestant. Judging will primarily be based on feasibility of designs from economic, non-proliferation, and overall positive impact standpoints. Contestants will be incentivized to enter by offering a $100 reward for the winning presentation. The presentation will be one of the last events held during the conference, with the winner being announced and recognized during the awards ceremony on Saturday evening.

TECHNICAL PROGRAM

PAPER SUBMISSION, REVIEW, AND PRESENTATION

Papers received through the paper submission portal will be processed by the Paper Review Coordinator and separated according to their track. Papers must follow the template instructions which will be available on the conference webpage. Once papers are processed, they will be reviewed by a to-be-assembled team of upper level graduate students, as well as academic and industry professionals. Once the papers are reviewed, they will be returned to the authors with comments, as needed. Otherwise papers will simply be accepted and the author will be notified. Corrected papers will follow the same process after their return. We'll do our best to fit podium requests into their respective track. If there is a large volume of papers within a specific track, the best papers within that track will be given podium presentation positions. This decision will be at the discretion of the reviewers. All other papers will be granted a poster presentation position.

Aerospace Nuclear Science & Technology	Mathematics & Computation
Advanced Fuel Development	Multi-Physics Modeling
Accident Tolerant Fuel Development	Nuclear Criticality Safety
Biology & Medicine	Nuclear Nonproliferation Policy
Detections	Protection & Shielding
Fuel Cycle & Waste Management	Reactor Physics
Fusion Energy	Research and Test Reactors
Isotopes & Radiation	Robotics & Remote Systems
Materials Science & Technology	Equality series - policy
	Equality series - community

The technical sessions will follow the usual format of 15 minutes per presentation with 5 minutes for questions after. A monetary award of $200.00 will be given for best overall undergraduate and graduate paper. Best papers from the two special tracks will recieve a $100.00 award as well. Best papers in each technical track will recieve certificates of distinction.

Equality Series Paper Tracks

Nuclear Policy - Papers within the Nuclear Policy track are open to discuss possible solutions or general input on advancing policies that positively affect nuclear power within the United States and abroad. They are also open to issues dealing with foreign policy, non-proliferation, and international agreements between nations. The Nuclear Policy track will include a best paper award of $100 and will be recognized during the Awards Ceremony.

Within the Engineering Community - These papers can either focus on personal experiences dealing with diversity issues and their takeaways, or ideas for improving an inclusive environment within professional or academic settings. As with the Energy Policy track, the Within the Nuclear Community track will include a best paper award of $100 and will be recognized during the Awards Ceremony.

POSTER SESSION

The poster session for this conference will be in Room 2355 of the Reitz Union building, and will be held from 1:15 to 5:00 on Saturday. Students will be allowed to set up their posters at any time during the career fair, allowing an almost three-and-a-half hour window during which students will be able to configure their posters as they desire. The poster session will be divided into two parts: a required attendance segment, and a non-required attendance segment. The required attendance segment will run from 1:15 to 3:15; during this time students will be required to stand by their poster and present to viewers and judges as they come by (see judging criteria in Appendix L). After this, from 3:15 to 5:00 students will not be required to stand by their posters, and conference attendees will be able to view the posters at their pleasure. After the conclusion of this final viewing session, students will be able to immediately pick up their posters for thirty minutes; after this window passes, all remaining posters will be stored and students wishing to pick up their poster will have to contact technical session personnel to receive them. Should any posters be left at conference conclusion and attendee departure, these posters will be disposed of.

Poster presentation requesters may be asked to give podium presentations in the unlikely event that there too few papers scheduled for podium presentations. This decision will be at the discretion of the Technical Program Co-Chair. Otherwise all who submit a poster will be given a poster presentation position. In the event that there is a high volume of poster presentation requesters, the poster presentation session may be moved to the Rion Ballroom on Friday.

TECHNICAL PANEL SERIES

RADIATION DETECTORS FOR NON-PROLIFERATION

Lead Name: Andreas Enqvist (UF)

Panelists will discuss how advances in radiations detectors coupled with advances in computer engineering are used to thwart the illegal movement of nuclear material. A discussion of the outlook on this segment of nuclear will be provided. Current technical challenges will be identified and conveyed for the attendees.

POTENTIAL PANELISTS

Name	Association	Focus
Jim Baciak	UF	Non-proliferation
Juan Nino	UF	Detector Materials
Sasmit Gokhale	UF	He-3 Detectors

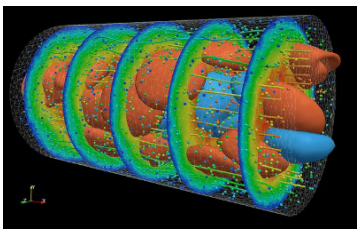
ADVANCED MODELING AND SIMULATION

Lead Name: Sedat Goluoglu (UF)

Several developers from common code packages will discuss the status of their respective codes and upcoming challenges. Each speaker will give a 10 minute overview of their modeling capabilities. Then a moderator will propose a series of questions. Afterwards students will be able to ask questions to continue the discussion.

POTENTIAL PANELISTS

Name	Association	Code
Forrest Brown	LANL	MCNP
Andrew Slaughter	INL	MOOSE
Chrid Perfetti	ORNL	SCALE
Paul Romano	MIT	OpenMC



PLASMA & FUSION

Lead Name: Leigh Winfrey (UF)

Plasma and fusion technologies have the possiblity of revolutionizing the energy landscape. Unfortunately, to date they have been largely unsuccessful in producing elecricity. Panelists will describe both the technical challenges and managerial difficulties in approach such a difficult problem. Lead Leigh Wingrey is active in the Plasma and Fusion ANS Professional Division and a Professor in the field so we are confident she will be able to help us in securing a diverse and thought-provoking panelists.

HEALTH PHYSICS & DOSIMETRY

Lead Name: Wes Bolch (University of Florida)

In this panel discussion, the progress in radiation dosimetry and health physics will be discussed. As world leaders in the field of phantom research, University of Florida dosimetry experts will cover the problems faced with standard models for radiation dose assesment for certain medical and diagnostic procedures. Discussion on the development of hybrid computational phantoms for various physical characteristics will be covered. This includes devepment of patient specific phantoms for patients such as pregnant women, children, and others who generally fall outside of the standard model. Further discussion on how these models can be used in real-time to assess radiaiton dose during medical procedures will also take place.

MATERIALS CHARACTERIZATION

An important consideration in the nuclear field is knowing the exact properties and structure of a given material, whether the material is intended for reactors or otherwise. To help empower the next generation of engineers and scientists, and provide them with a taste of a field they might not otherwise work in, a three-hour workshop covering nuclear materials characterization will be given. The first part of the workshop will be an hour-long overview of common characterization tools, such as the SEM and TEM. Within the hour attendees will be able to learn what tools they need to know what their material looks like (on multiple scales and orders of magnitude), what is in their material, and the quantity of what is in their material. The next part, demonstrations, will be based around the SEM and TEM that the University is scheduled to have installed by 2018 for exclusive use by the nuclear engineering program's faculty and students. The 'lecture group' will be split into two subgroups, with one group participating in an hour-long session with the SEM during which they will be able to individually control the SEM with a pre-prepared and well-known sample loaded, with a trained operator present to answer any questions and provide guidance as necessary. The other group will work with the TEM for thirty minutes, during which time another trained operator will work with a pre-prepared and well-known sample to demonstrate interesting facets of the sample, as the TEM requires significantly greater training to handle properly. The TEM group will then be given a thirty-minute rest period, after which they will switch out with the SEM group and the two groups will participate in the other's respective exercises.

In total, this workshop is not anticipated to take more than three hours in total. Given the nature of SEM's and TEM's, a total lecture group size of no more than 20 people is anticipated, with the smaller subgroups being divided into ten people each. To allow as many conference attendees to participate as possible, two sessions will be held per day, with total two-day attendance of eighty people in total. This number of sessions is of course variable depending upon registration numbers, and can easily be lowered. In addition, if enough interest is shown, changes can be made such that the SEM and TEM sessions only run for thirty minutes each, and the total workshop length can be shortened from three hours to two, allowing a greater number of workshops to be run per day.

UFTR WORKSHOP

This workshop will provide a 15-minute tour of the University of Florida Training Reactor (UFTR). The UFTR is an Argonaut-type reactor which has in the last few years undergone major renovations, including installation of new radiation safety measures and reactor infrastructure. The control systems for the reactor are also in the process of digitization, with the conversion expected to be complete by 2018. To help provide a more active demonstration of what a training reactor is useful for, the attendees will be able, after the tour, to go through an experiment in Neutron Activation Analysis (NAA) in the reactor's experimental facilities. Knowledgeable researchers will be able to explain the basic concepts behind NAA as they give demonstrations on various prepared samples, and will be able to answer any questions that the attendees may have. This will also give participants more of an opportunity to see the day-to-day interactions with the reactor from a firsthand perspective.

This workshop will run for approximately one hour, and due to the nature of the content is very flexible to scheduling adjustments depending on interest shown in the workshop. A maximum allowance of 20 people is anticipated per session, and with a length of only one hour we anticipate being able to accommodate at least a hundred people in the course of just one day, with more or fewer sessions made available as registration numbers become known.

ADVANCED FUELS AND MATERIALS

In this brief introduction to advanced fuels and materials processing at the University of Florida, attendees will explore the various methods in which we produce accident tolerant-fuels and structural components through the use of advanced manufacturing. This includes the use of spark plasma sintering and 3D printing of both metallic and ceramic materials. This workshop is meant to encourage participants to think beyond the realm of conventional materials processing by providing our innovative approach to creating safer and more efficient fuel system designs.

MOOSE

The Multiphysics Object Orientated Simulation Environment(MOOSE) is a relatively new code package developed at the Idaho National Laboratory with a focus on nuclear related applications. MOOSE is highly flexible, and can solve problems as simple as the one-dimensional diffusion equation to the multi-scale analysis of a fuel pellet. Tools such as these are actively being employed for the development of new reactors that will ensure equal access to carbon-neutral energy.

The point of this workshop will be two-fold. The first is an introduction to the finite element analysis methods embedded the MOOSE framework. This is particularly useful because these concepts are extremely general and often something students are not exposed to in typical undergraduate classes. The second is to highlight the various ways MOOSE can help to understand nuclear-related systems.

The typical workshops done by the MOOSE team last 2-3 days for a majority of the day. Since we do not have such time we will have it take place on a single day. We have confirmed with core developer Andrew Slaughter that this is possible and the MOOSE team is happy to do it.

MOOSE is open source and available on github thus avoiding the issues of working with export controlled software. Instead of assuming students will come with MOOSE installed, and to minimze time spent installing software during the workshop, we will provide remote access to MOOSE.

Remote access will work by giving attendees guest accounts for the University of Florida's HiperGator Supercomputer. Guest account creation has been confirmed with the Director of the UF Research Computing department.. MOOSE will be installed and available for these guest accounts. We can have up to 120 students for this workshop since it will be hosted in the Chamber room of the Reitz Union.

INTRO TO HPC

Computational resources are an important factor in the nuclear field today; whether these resources are merely used to store experimental data or run complicated simulations, both industry and academia use them in a variety of capacities to further their own work. An important facet of these computational resources is the field of high-performance computing. To further educate future researchers and engineers as to the capabilities of high-performance computing, this three-hour workshop will consist of lectures covering the basics of the field, with a focus on nuclear applications as well as relevant hands-on examples. Topics will range from a basic overview of the structure of a computing cluster, as well as special considerations when working with them, to the diverse applications they can be used for and the capabilities when working with one. In addition, students who are new to the concept of a UNIX-like environment will be able to perform their own demo jobs and get a first taste of this environment in a measured and explained flow as they go through the hands-on exercises.

The University of Florida's Research Computing department has agreed to support this conference and allow a limited number of guest accounts to be made. These guest accounts will have access to the university's HiPerGator supercomputing cluster. Since the 'experimental environment' is one owned and managed by the University, it will be relatively simple to set permissions and allowances for the guest accounts such that there is little risk to university infrastructure from malicious attempts using these. The lectures will be given by experienced research computing personnel, and there will be prepared sample scripts and jobs for the students to run such that they can understand how high-performance computing is particularly relevant to various areas of research. This workshop has an estimated limit of 40 attendees (a number of guest accounts that has been confirmed as perfectly acceptable by the Research Computing department).

CONFERENCE FACILITIES

REITZ UNION

The newly renovated J. Wayne Reitz Union (Reitz Union) building, which reopened February 1st, 2016, is the heart of the University of Florida campus; located conveniently across the lawn from the Nuclear Sciences Building, it will be the main location for all conference proceedings. With more than 50,000 sq. ft. of meeting space in the form of ballrooms, meeting rooms, auditoriums, and outdoor tabling areas, the Reitz Union is easily able to house any event for students, alumni, and visitors, including the 2018 Student Conference.

The Reitz Union also provides many other amenities for its guests, such as a newly renovated game room and many dining options including gourmet catering provided by Classic Fare. The Reitz Union is easily accessible for all visitors, with almost all of the city's bus routes having a stop outside. Additionally, the Reitz Union is easy for guests to navigate with its many signs, information desks, and maps placed throughout the building.

GRAND BALL ROOM

The Reitz Union's 50,000 sq. ft. of meeting space is divided in many ways, and with the exception of the ballrooms, it is completely free for students and student groups to use for their events. The two-story Grand Ballroom, the largest in North Central Florida, is approximately 11,562 sq. ft., which allows it to seat 952 people in a theatre style and 648 people at round tables for all types of catered meals and discussions. Across the building, the Rion Ballroom, which has been completely renovated, can hold 288 people banquet style and 574 in a theatre style in its 8,676 sq. ft.

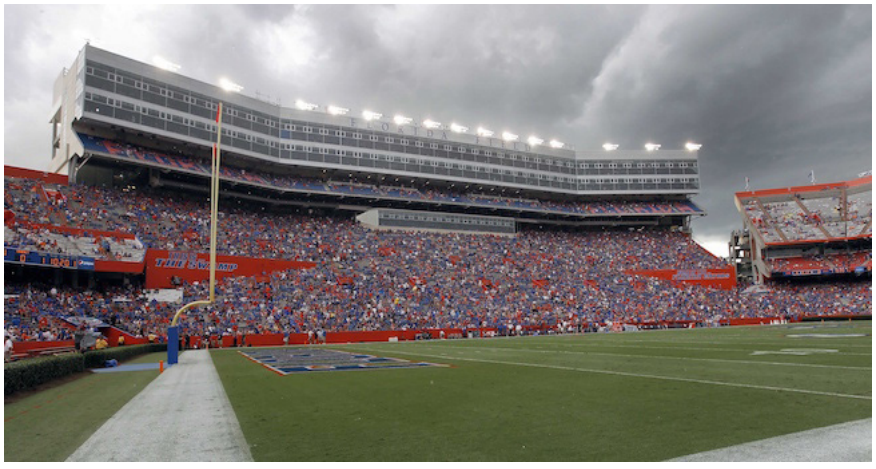
CONFERENCE FACILITIES

MEETING SPACE

The Chamber on the first floor boasts a permanent classroom-style setting with a maximum capacity of 120 people seated. The rest of the meeting space is divided amongst 20 meeting rooms of various sizes and capacities.

CHAMPIONS CLUB

The G. Edwards Evans Champions Club is one of the premier skyboxes for watching football in all of the SEC; however, it also serves as one of the nicest places to have an evening dinner in Gainesville. Located within Ben Hill Griffin Stadium, the Champions Club provides a sweeping panoramic view of the stadium and parts of the surrounding campus. It is located a few hundred feet away from the Reitz Union, which allows for easy travel to the venue for those still on campus for the day, and it has a location for bus drop-off for those coming from the various hotels. Private elevators take you up to the Champions Club, which has banquet-style seating for up to 600 people.



CONFERENCE FACILITIES

REITZ UNION AMENITIES

The Reitz Union provides many different dining options from quick eats to casual dining. Visitors to the Union can pick from Croutons, Freshens, P.O.D. Market, Panda Express, Papa Johns, Pollo Tropical, Starbucks, Subway, and Wendy's when they are in a hurry or from Arredondo Cafe and Wing Zone at the Orange and Brew if they have a little more time. Additionally, within an easy walk, people can expand these options to include Chick-Fil-A, Moe's Southwest Grill, and Chipotle among many others. The Reitz Union also has a state-of-the-art game room with a 14-lane bowling alley, 10 pool tables, 2 table tennis sets, and 2 foosball tables. Other amenities available at the Reitz Union are the University of Florida Bookstore, which sells all types of Gator memorabilia, forgotten incidentals, and electronics, an arts and crafts center for painting and pottery, as well as a barbershop downstairs for emergencies.

ACCESSIBLITY

Being in the center of campus, the Reitz Union is easily accessible by foot and bus. Nearly every bus has a stop outside the building, which will make the addition of buses for conference participants a non-issue for RTS, the bus service, and easily provides a safe drop-off and pick-up point for attendees. Additionally, the Reitz Union is a mere 100 feet from the Nuclear Sciences Building, which will make traveling back and forth to the main conference spaces extremely easy for all attendees. Additionally, the Reitz Union is easily navigable because of the very prominent signs, information desks, and maps placed strategically throughout the building. These maps and signs will also be incorporated into the app to aid attendees in their navigation between rooms.

RESERVATION DETAILS

The reservation for the meeting spaces in the Reitz Union has already been confirmed by their director of sales, and barring any unforeseen natural disasters, nothing will conflict or override our reservation. The only charges encountered for the conference space is for the daily use of the Grand Ballroom, which will always be set up in a banquet style, and for the Rion Ballroom. All other event space we will be using is free of charge as is the set up and AV equipment, as seen in Appendix F. Additionally, the rooms in the Nuclear Sciences Building and the Champions Club have already been reserved with their respective representatives.

ORDER OF HOTELS

Rank	Name
1	Holiday Inn
2	Hampton
3	Wyndham
4	Hiton
5	Spring Hill Suites
6	Country Inn
7	La Quinta

HOTELS

HOLIDAY INN

The Holiday Inn at University Center provides the latest in modern decor while being located conveniently across the street from the University of Florida campus. Additionally, the hotel is located close to the midtown social area of Gainesville for easy access to dining and socializing. The Holiday Inn has a pizzeria, cocktail lounge, and large pool deck to provide entertainment in the evenings. A business center and fitness center with updated equipment is also available to guests. A complimentary shuttle for ferrying attendees between the Gainesville Airport and the hotel is available for guest use; they have also offered the shuttle van for late transport to the Reitz for the conference. All guest rooms contain flat-screen TV's, workstations, mini-kitchenettes, and free WiFi.

HOLIDAY INN PRICING

Double Occupancy with two beds	$129/night $64.50/person
Quad Occupancy with two beds	$149/night $37.25/person
Room Block	60

HAMPTON INN

The Hampton Inn of Downtown Gainesville is found in the heart of the city within walking distance of all the best places in town. With its modern amenities in a boutique style and all the comforts that could be asked for, the Hampton Inn provides a wonderful place to stay. Each room is equipped with a TV, small kitchenette, and work space; additionally, a free continental breakfast is available for guests with a 24-hour coffee bar in the lobby.

HAMPTON INN PRICING

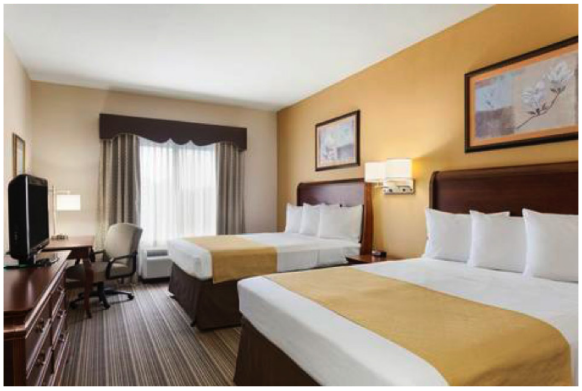
Double Occupancy with two beds	$149/night $74.50/person
Quad Occupancy with two beds	$149/night $37.25/person
Room Block	40

COUNTRY INN

The Country Inn and Suites has a beautiful interior that was recently upgraded to the most modern furnishings with plans to continue the upgrades over the next year. Guests are provided a complimentary coffee bar, hot breakfast, and wifi as well as interior pool and spa. Every guest room is equipped with a kitchenette and workspace. The rooms available in the block are rooms with two queens sleeping a maximum of four people.

COUNTRY INN PRICING

Double Occupancy with two beds	$149/night $74.50/person
Quad Occupancy with two beds	$149/night $37.25/person
Room Block	25



HILTON

Located conveniently across from the University of Florida campus, the Hilton University of Florida Conference Center provides wonderful accommodations to both students and professionals. With plans in motion to completely renovate the hotel in 2017, all of the guest rooms and other facilities will be in the most up-to-date modern fashion possible. Additionally, the main restaurant is being renovated and turned into a Shula's Steak House, a fine dining establishment. They will also still have another restaurant on the property as well as room service. All of the renovated rooms have HD tv's, single-serve coffee machines, and many other high-tech updates.

HILTON INN PRICING

Double Occupancy with two beds	$199/night $99.50/person
Quad Occupancy with two beds	$219/night $54.75 /person
Room Block	75

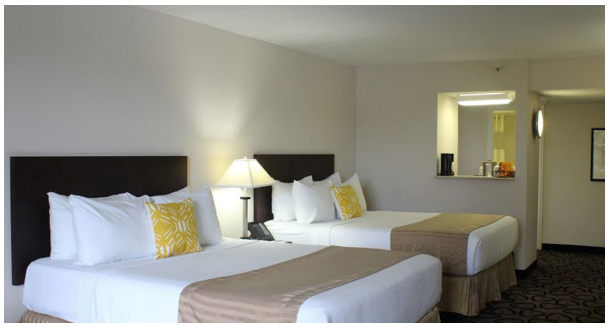
WYNDHAM GARDEN

The luxurious and beautiful Wyndham Garden Gainesville Hotel and Conference Center is a clear winner among Gainesville hotels As the only lakefront hotel in the area, it is located in the picturesque Bivens Arm Lake Nature Preserve.

Amenities include a 24-hour exercise area, outdoor pool, gazebo and free parking. It has an on-site restaurant, the Lakeside Grill, that's open for all meals and a lounge where you can unwind and meet other guests.

WYNDHAM GARDEN

Double Occupancy with two beds	$139/night $69.50/person
Quad Occupancy with two beds	$139/night $34.75/person
Room Block	50



LA QUINTA

La Quinta is a short drive from both Santa Fe Community College and the University of Florida as well as famous North Florida attractions. During your stay, enjoy services like a free Bright Side Breakfast, free Wi-Fi and free parking, as well as an outdoor pool area and spacious, comfortable and well-equipped rooms and suites. Each one features a coffeemaker, hairdryer, dataport phone, and Samsung flat-panel TV.

LA QUINTA

Double Occupancy with two beds	$119/night $59.50/person
Quad Occupancy with two beds	$119/night $29.75
Room Block	50

DINING

All catering will be taken done by the on campus catering company Classic Fare. All additional fees including those for linens, dining ware, additional staffing, bar staff are included in the price for each event listed in the primary budget. There are no gratuity charges when using Classic Fare. Extended quotes have been provided for every single event by Classic Fare. We've included a summary of all catering events in Appendix. In addition, we've included one detailed quote for further reference in Appendix. K.

COFFEE AND REFRESHMENT BREAKS

Coffee and Refreshment Breaks will provided in at in the between morning and afternoon sessions. Morning sessions will included basic coffee refill, while the afternoon breaks will include additional refreshments and snacks. Morning breaks are budgeted for 300 people with flexibility to adjust. The Afternoon sessions have been budgeted for the entire expected attendance.

BREAKFASTS

Continental breakfasts will provided for all attendees in the Reitz Union Grand Ball Room. Breakfasts are budgeted for 300 people to provide for those who may not have complimentary breakfasts provided by their respective hotels.

THURSDAY LUNCH

On Thursday box lunches will be served. They will consist of a choice of lunch meat sandwich, vegetables and cheese, bag of chips, whole fruit, canned soda or water, and a cookie. These will be distributed to those at the conference and will also be provided to those going on tours. Those who are going to St. Augustine will not be provided with boxed lunches. One of the main attractions of St. Augustine are the dining options located in the historic district. Attendees will have the option of choosing from dozens of original restaurants along the main thoroughfare, St. George Street.

SPONSOR LUNCH & LEARN

Lunch & Learns are sponsored by those who choose the Exhibitor Premier Sponsorship package on Friday and Saturday. These lunches will be held in the Reitz Union Ballroom. A cold meat sandwich buffet, salads, drinks, and assorted cookies will be stationed outside the Ballroom. Attendees will get a plate, fill it up with delicious food, and seat themselves in the Ballroom. Attendees of the Lunch & Learns will be given ample time to grab their lunches and seat as to minimize distractions once the sponsor presentation begins. We believe by setting up food options in this manner will encourage more people to attend the Lunch & Learns since it's most convenient to gather these food items on a plate and sit down at a table, rather than a box lunch that can simply be taken and brought elsewhere. Due to the high volume of planned conference events, the SSC meeting will have to overlap with the Friday Lunch & Learn. The same dining options will be available in the Chamber for the SSC meeting done, however. It's also been confirmed with Classic Fare that they can work within the time constraints in between the MOOSE Workshop and the SSC Meeting for setting up these dining options, quickly.

NIGHTLY BANQUETS

For dinner attendees will be given several choices for their main course. The Thursday and Saturday dinners will come with a starter salad, a main course, and desert. Friday will feature several buffet options catering to various dietary restrictions. At each dinner a full cash bar will also be available.

THURSDAY: IMPROVING ENERGY ACCESS DINNER

The Thursday night diner will highlight talks revolving around topics focused towards improving energy access to those who need it the most. While emphasizing solutions nuclear can provide through innovative ideas and technologies, talks featuring leaders of such technologies be given.

Three course plated meals will be served to all attendees with a variety of options such as a stuffed chicken breast with goat cheese & sundried tomatoes, flank steak with wild mushrooms in a brandy wine sauce, and eggplant caprese with mozzarella cheese, plum tomatoes, basil and tomato coulis. Salads and desserts will be standard for everyone with several preset options for those with dietary restrictions.

FRIDAY: SHAPING ENERGY POLICY DINNER SPONSORED BY THE DIVISIONS OF ANS NATIONAL

In recognition for all of the support the Divisions of ANS have provided Students in attending ANS National Meetings, we've decided to honor them with a night at the Champions Club in skybox of Ben Hill Griffin Stadium (aka The Swamp). All contributing ANS Divisions will be given the opportunity to reserve tables at this Shaping Energy Policy Dinner. Non-division Elite Packages may be eligible for remaining tables during this event. The various contributing divisions and most generous sponsors will also be recognized on the stadium's jumbotron scoreboard during the dinner.

Speakers who are leaders within the policy sector of energy will give talks focusing on energy policy as it pertains to nuclear. As stated dining options will be provided via three buffet stations featuring various main courses, sides and deserts including various salads, chicken breast with onion confit, grilled salmon with parmesan pesto, vegetable lasagna, and key lime pie.

Throughout the dinner and in between speakers, attendees will be free to move from table to table to build connections with the ANS Divisions and sponsoring companies. Guests will also be free to stay an extra hour in the Champions Club to further network and provide to chance to become more involved in ANS.

SATURDAY: BUILDING A DIVERSE ENGINEERING COMMUNITY DINNER

On Saturday, we will return the Reitz Union Grand Ballroom to mark the end of our conference. Although the time of the conference will have seemed like a small window to get our message of nuclear equality across to all attendees, we hope to send off our guests with some final words for thought. Speakers covering issues relating to diversity within our community will provide talks that will be intended to leave a lasting impression in the minds of some of our brightest future leaders. Leaders that will have to deal with and confront issues involving race, religion, sexual orientation, and gender throughout their careers in an ever increasingly diverse field.

Similar to the Thursday dinner, three course plated meals will be served with a variation in main course options. As with the Thursday dinner, attendees will be provided three meal options for Saturday on the conference registration portal with tickets placed in the conference bags according to their selections.

Saturday will also include the Awards Ceremony for Best Overall Papers and Best Track Papers. We will work with the Divisions who wish to present their own awards for their respective technical track. The winner of the Powering the World Innovation Contest will also be recognized, along with best papers in our special tracks.

TOURS

KENNEDY SPACE CENTER

In Cape Canaveral, FL there is the Kennedy Space Center (KSC), which has an assortment of different events and activities for tours. A bus will leave from Gainesville at seven in the morning and drive for roughly three hours until they reach Cape Canaveral. Once the buses enter the KSC Visitor's Complex Campus, a NASA engineer will be present to tour the students throughout the campus. The engineer will be able to show the students the nuclear applications to space technologies, such as radiation protection and nuclear propulsion. The students would be riding KSC buses in order to get to the different parts of the campus. While on the four-hour tour, students would be visiting areas such as the Space Shuttle Atlantis Exhibit, the Apollo/Saturn V Center, and the Rocket Garden.

The Space Shuttle Atlantis Exhibit features the historic Atlantis space shuttle on display with its payload doors open and its robotic arm extended. This exhibit includes over sixty interactive displays and presentation that help bring the essence of the components and engineering behind one of man's greatest exploring creations. The Apollo/Saturn V Center at the KSC is one of the greatest exhibits that the campus has to offer. With the incredible three hundred and sixty-three foot rocket segment on display, this is an experience to behold. Finally there is the Rocket Garden, which features several historic rockets that monumentally stand over seventy feet tall. Separate free guided tours through the garden are available during certain times of the day.

Daily admissions for adults cost fifty dollars, and include visits to the Space Shuttle Exhibit, the Apollo/Saturn V Center, and the Rocket Garden. Along with that, students will be able to head to the restaurants and gift shops on the campus grounds. The tour will need to be limited to roughly twenty students. The entire duration of the trip will be four hours, and the students will be back in Gainesville by five in the afternoon.

TOURS

PORT ST. LUCIE PLANT

In St. Lucie, FL there is the Florida Power and Light Nuclear Power Plant. A bus carrying roughly twenty students will leave from Gainesville at seven in the morning and travel for three and a half hours. Once the buses reach the destination, students will be welcomed by a site employee, who will be guiding the tour of the plant.

The students will have a chance to visit critical components of the plant, which include the control room, the turbine deck, and the dry cask storage facility. After visiting these locations, the students would have a chance to visit a control room simulator and understand the fundamentals of how the control room works and how it is used in daily operation. After the conclusion of the 3-hour tour,

HISTORIC ST. AUGUSTINE

Roughly twenty students will have the chance to travel to one of the oldest cities in the nation. A bus would leave at seven in the morning and travel for two-hours until it reached the historic district of the town.
Once there, students will have a chance to walk through St. George's street and observe the many shops, restaurants, and entertainment zones there. Along with that, students will have a chance to visit Castillo de San Marco, which is a fort alongside the water that was used by the Spanish when the city was first colonized. The cost for admissions into the fort is ten dollars per adult. A guided tour on a trolley will also be there for students to ride through the city and view all of its beauty. The cost for admissions into the trolley service is roughly twenty-five dollars per person.

KINGS BAY TOUR

In Kings Bay, GA there is the Navy Nuclear Submarine Base, which is one of two nuclear submarine bases in the nation. A bus will transport roughly twenty students from Gainesville at seven in the morning and travel for two and a half hours. Once the buses make it inside of the base, the students will be welcomed by naval personnel, which will be guiding the tour of the base.

The students will have a chance to visit the on-site training facility of base and be exposed to how the U.S. Navy maintains the principles of nuclear deterrence in the world. Afterwards, the students will travel by bus to the submarine port at the base. After being granted security clearance, the students will be able to enter one of the several nuclear-powered ballistic submarines and tour inside the boat. Students would have a chance to view most of the boat (some of it is restricted), such as the engine room, the reactor room, and the nuclear missile silos within the boat. Along with that, students will have a chance at talking to the crew of the ship and understand how it is to be underway in a vessel of that kind.

After the conclusion of the three-hour tour, the buses will travel back to Gainesville by three in the afternoon.
It should be noted that the Kings Bay and St. Lucie Tours may require additional information from

POTENTIAL SPEAKERS

JOSE REYES

Dr. Reyes is the co-founder of NuScale Power and co-designer of the NuScale passively-cooled small nuclear reactor. He is an internationally recognized expert on passive safety system design, testing and operations for nuclear power plants. He has served as a United Nations International Atomic Energy Agency (IAEA) technical expert on passive safety systems. He is a co-inventor on over 60 patents granted or pending in 17 countries. He recently received two national awards; the 2013 Nuclear Energy Advocate Award and the 2014 American Nuclear Society Thermal Hydraulic Division Technical Achievement Award.

At Oregon State University, Dr. Reyes served as head of the Department of Nuclear Engineering and Radiation Health Physics. Additionally, Dr. Reyes was the OSU principal investigator for the AP600 and AP1000 certification test programs sponsored by the U.S. Nuclear Regulatory Commission (NRC), the U.S. Department of Energy and Westinghouse. He holds Ph.D. and M.S. degrees in Nuclear Engineering from the University of Maryland and a B.S. degree in Nuclear Engineering from the University of Florida.

JACOB DEWITTE

Jacob DeWitte is CEO & Founder of Oklo (Formaly UPower). Oklo is building a very small nuclear power plant. The CEO and his co-founders are developing a transportable, solid-state nuclear generator that can generate 2 megawatts of power for 12 years without refueling, saving customers 90% on their energy bills. The reactor is also fuel agnostic, meaning it can run on uranium, thorium, even nuclear waste. Oklo's technology can potentially turn existing stockpiles of nuclear waste around the world into almost a millennium of clean power.

He is working on developing technologies to make the most of our incredible nuclear fleet, and advanced nuclear technologies that can make nuclear more competitive, available, and widespread than ever before. Named to the Forbes 30 under 30 in energy. Jacob holds degrees in nuclear engineering from MIT (PhD) and the University of Florida (B.S.).

NILS DIAZ

Nils Diaz is the former Chairman of the NRC. During his time as NRC Chairman been a strong promoter of an increased and a transparent focus on safety-significant issues and of more timely decision making in such matters as power reactor license renewals, power uprates, adjudicatory proceedings, as well as new reactor licensing.

Prior to his appointment, Dr. Diaz was Professor of Nuclear Engineering Sciences at the University of Florida, Director of the Innovative Nuclear Space Power Institute (INSPI) - a national consortium of industries, universities and national. From 1971 to 1996, Dr. Diaz consulted on nuclear engineering and energetics to private industry, the U. S. Government and several foreign governments; he also co-owned six small corporations.

Dr. Diaz holds a Ph.D. and M.S. in Nuclear Engineering Sciences from the University of Florida, and a B. S. Degree in Mechanical Engineering from the University of Villanova, Havana.

SPEAKERS

JERRY PAUL

Jerry is the former Principal Deputy Administrator of the National Nuclear Security Administration (NNSA) at the U.S. Department of Energy. He was nominated by President George W. Bush and was confirmed by the U.S. Senate in July of 2004. During his time at the NNSA, he oversaw all of the agency's nuclear nonproliferation programs with the principal responsibility of materials, technology and expertise. In June 2006 Paul stepped down from this position to return to his law practice.

Jerry still maintains an active stance for promoting nuclear energy in the state of Florida. On several occasions, Jerry has collaborated with UF ANS in lobbying efforts in support of the construction of Turkey Point 6 & 7, which included members of our section delivering testimony in support of the project before the Florida Gubernatorial Cabinet and the NRC.

Jerald also served as a Representative in the House of Representative of Florida. He attended the University of Florida, where he received a degree in nuclear engineering (B.S.) and received his Juris Doctorate from the Stetson University.

CAMMY ABERNATHY

Cammy R. Abernathy received her S.B. degree in materials science and engineering from the Massachusetts Institute of Technology in 1980, and her M.S. and PhD degrees in materials science and engineering from Stanford University in 1982 and 1985 respectively. She joined the University of Florida's Department of Materials Science and Engineering as a professor in 1993.

In 2004 she became the College's Associate Dean for Academic Affairs and in July 2009 was appointed Dean of the College of Engineering. Dr. Abernathy's research interests are in synthesis of thin-film electronic materials and devices using metal organic chemical vapor deposition and molecular beam epitaxy. She is the author of over 500 journal publications, over 430 conference papers, one co-authored book, 7 edited books, 8 book chapters, and 7 patents.

Dr. Abernathy is a fellow of the AAAS, AVS, APS and of the Electrochemical Society. She is also a member of the American Society of Engineering Education, and the Materials Research Society.

T. BOND CALLOWAY, JR.

Mr. Calloway is Savannah River National Laboratory's Associate Laboratory Director of the Clean Energy Directorate. He leads a team of engineers and scientists on nuclear and renewable energy research. Previously Mr. Calloway has worked on both the Hanford Waste Treatment Plant and the Defense Waste Processing Facility. He was awarded the 2011 DOE Sustainability award and is the 2016 President Elect for the American Institute of Chemical Engineers. His potential talk topic of product intensification applies directly to the theme of the conference "Nuclear Equality: Energy Access" as intensification of nuclear energy can make it more available in areas that currently do not have the capacity for a full scale reactor.

SOCIALS

ORIGINAL AMERICAN KITCHEN (OAK)

April 5th from 9:30 pm – 11:30 pm: This venue is in downtown Gainesville which gives guests to option of seeing what Gainesville has to offer before or after the event. There are indoor and outdoor areas with plenty of space for guests move about and socialize. There is also an option to rent a projector to display any information pertinent to ANS during the social.

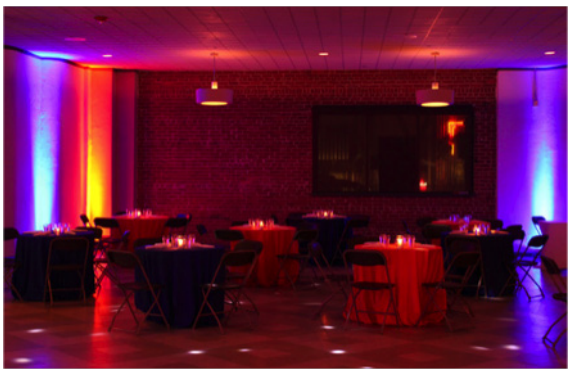
At $17.87 a person accounting for about 150 people, OAK will provide a live band for 2 hours as well as a $2,500 bar tab included in the price for all guests over 21 years of age. Appetizers will be provided as well throughout the event. Total price estimate is at $3,200. (No age restriction for entrance)

Lounge area of the Oak

THE WOOLY

April 7th from 9:30 pm – 10:30 pm: The Wooly is a unique event space located in the center of downtown. Built in 1884, this historic building is the perfect place to host 150-200 conference guests. With tables, chairs, and an in-house speaker system, The Wooly can be transformed to fit our needs. A pool table and ping pong table can be rented out to offer guests fun and different way to socialize. Small sized catering will be provided as well as alcohol for those guests over 21 years of age. The Wooly specializes is large private events which makes them easy to work with.

With food and drink included, The Wooly is competitive at about $2,500. (No age restriction for entrance) .



The inside of the Wooly

THE SWAMP

April 6th from 9:30 pm – 11:30 pm: Swamp is located directly across the street from UF's main campus. It is one of the most famous venues in Gainesville.

With multiple sections, the entire second floor of Swamp will be rented out to serve our needs. Both outdoor and indoor seating options as well as appetizers and non-alcoholic drinks will be provided to all guests. For guests over 21 years of age, drink tickets and a keg will be available. This will provide a great atmosphere for students to meet professors and professionals in a relaxed setting.

With appetizers the price will be around $3,000 and without appetizers the price is cut to about $2,000. (All guests must be 18+).

Outside of the famous Swamp Restaurant

ADDITIONAL EVENTS

REITZ GAME NIGHT

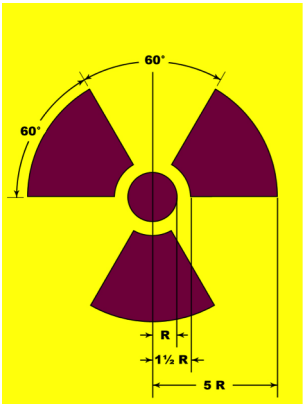
On Saturday night following the dinner and awards ceremony, the Reitz Union will be open and free of charge to all conference attendees. The bowling lanes, as well as several pool tables, and ping pong tables will be free to use for anyone who is interested. The Reitz Game room is also adjacent to the Orange & Brew – Wing Zone for anyone looking for a quick snack or refreshment while playing.

LGBTQA SOCIAL

The LGBTQA Social will take place the University Club at 10:30, which is an hour after the start of the Wooly Social. This will give attendees the chance to experience both socials at their leisure without missing out on any of the networking the conference would have to offer. Located just around the corner from the Wooly, the University Club is one of the most popular venues for the Gainesville LGBTQA community. A tab will be available to all attendees of the conference. It should be noted that those who wish to attend any of the socials should carry their badges for verification that they are with the conference.

NUCLEAR TRIVIA

On Thursday evening following the opening banquet, we'll be hosting Nuclear Trivia in Room 227 of the Nuclear Sciences building. Hosted by a professor of the University of Florida's Nuclear Engineering program, the contest will include several categories within nuclear science and technology.



Questions may involve basic knowledge of concepts, solving simple problems, and questions on actual equipment, material samples, or interpretation of data such as spectra from unknown sources such as Co-60 or to identify other different common spectra or other questions associated with each spectra that are familiar to most nuclear engineers. Participants may work in teams or individually. Department donated swag items will be given out as awards.

PAYNES PRAIRIE NATURE TALK

Paynes Prairie, Florida's first state preserve is home to over 20 biological communities, thus making it a rich bio-diverse display of Gainesville. Alligators, deer, horses, and over 270 species of birds are just a fraction of the wildlife and livestock that reside in the Prairie. There are eight main trails from which the natural beauty and wildlife can be observed. Additionally, there are exhibits as well as an audio-visual program at the entrance center of the park that explains the area's history. Visitors would also be able to climb the 50-foot-high observation tower near the entrance that provides a panoramic view of Paynes Prairie. Transportation to and from the park will be

FLORIDA MUESEUM OF NATURAL HISTORY

Admission into the Florida Museum of Natural History is free of cost for organized group events for all permanent exhibits. Additionally, for student attendees staying at the Hilton, the museum is conveniently located across the street. Transportation to the museum will be provided at various times on Thursday from the Reitz Union. At the Museum of Natural History, students will be able to explore the exhibits: Florida Fossils: Evolution of Life & Land, Our Energy Future, Northwest Florida: Waterways & Wildlife, South Florida People & Environments, and Exploring Our World. There are also areas outside of the museum to explore, including the fossil plant garden and the natural area teaching lab trails.

HARN MUSEUM OF ART

The Harn Museum of Art provides docent guided group tours, free of charge, for organized groups up to 60 people. The tour can be scheduled any day between Tuesday and Saturday between the hours of 11am to 4pm as well as on Sunday from 1pm to 4pm. The guided tour would last an hour. At the tour visitors would be able to view the Harn's collection of over 10,000 objects including African, Asian, modern and contemporary art in addition to a selection of photography and Ancient American and oceanic art. Visitors would also be able to relax in one of the museum's 5 garden spaces in addition to visiting the museum store and café. Transportation will be provided by the hotels' complimentary shuttles. Similar to the Museum of Natural History, the Harn Museum is conveniently located across the street from the Hilton.

FRIDAY MORNING YOGA

A one hour yoga session at the University of Florida's SW Recreational Center, located on Hull Road on the southwestern edge of campus, which is also conveniently located across the street from the Hilton. The will be available on Friday at 7:00 AM for 40 people with transportation will be provided for attendees staying at conference hotels. The session will be led by a trained University of Florida yoga instructor and will be catered to individuals of all levels and modifications for poses that will challenge everyone according to their own comfort. The Southwest Recreation Center has agreed to waive non-University of Florida student access restrictions for conference attendees. Those who are interested in going to the yoga session will be asked on the online conference registration portal for special events if they'd wish to attend.

5K FUN RUN

Starting at the University's beloved Lake Alice, attendees will have the opportunity to participate in a 5K run through the heart of campus, allowing them to view some of the campus's iconic landmarks. Leaving Lake Alice, students will pass through Fraternity Row which loops around to the newly remodeled O'Connell Center and Ben Hill Griffin Stadium. From there, students will run down Stadium Road, passing the student Hub and Turlington Plaza, until reaching the University's most iconic landmark, Century Tower. From there students will complete the last leg of the 5K by crossing through the expansive Reitz Lawn before returning to Lake Alice via Museum Road. Markers will bet set and a team of University of Florida Cicerones will help guide the runners along their route and host refreshment stations. The 5K Atomic Gator Fun Run will be held on Saturday morning and transportation to and from this event will be covered by the hotels' complimentary shuttles. The run will start at 7:00 to avoid campus traffic and higher temperatures that are common later in the day.

ITINERARY

THURSDAY

Time	Event	Location/Departure Location
7:00 AM - 5:00 PM	Registration & Information	Registration Desk, Outside Grand Ballroom
7:00 AM - 5:00 PM	St. Lucie Tour	Reitz Union Bus Stop
7:00 AM - 5:00 PM	KSC Tour	Reitz Union Bus Stop
7:30 AM - 9:30 AM	Breakfast	Grand Ball Room
8:00 AM - 5:00 PM	King's Bay Tour	Reitz Union Bus Stop
8:00 AM - 5:00 PM	St. Augustine Tour	Reitz Union Bus Stop
8:00 AM - 5:00 PM	Payne's Prairie Tour	Reitz Union Bus Stop
8:00 AM - 9:30 AM	UFTR Tour/NAA Workshop	Nuclear Sciences Building (NSB)
8:00 AM - 9:30 AM	MOOSE I Workshop	Chamber
8:00 AM - 9:30 AM	Presentation Practice	G315
8:00 AM - 9:30 AM	Nuclear Safeguards Workshop	G315
9:30 AM - 10:00 AM	Coffee Break	Grand Ball Room
10:00 AM - 4:30 PM	Florida Natural History Museum Tour	Reitz Union Bus Stop
10:00 AM - 11:00 AM	UFTR Tour/NAA Workshop	Nuclear Sciences Building (NSB)
10:00 AM - 11:45 AM	MOOSE I Workshop	Chamber
10:00 AM - 11:45 PM	Nuclear Energy BEYOND Electricity	Room G310
10:00 AM - 11:45 PM	Nuclear Safeguards Workshop	G315
11:00 AM - 4:30 PM	Harn Museum of Art Tour	Reitz Union Bus Stop
12:00 PM - 1:00 PM	Lunch	Grand Ball Room
1:00 PM - 2:45 PM	HPC Workshop I	Chamber
1:00 PM - 2:45 PM	Advanced Reactor Concepts Panel	G310
1:00 PM - 2:45 PM	Materials Characterization Workshop	MAIC
1:30 PM - 2:30 PM	UFTR Tour/NAA Workshop	Nuclear Sciences Building (NSB)
2:45 PM - 3:30PM	Coffee Break	Grand Ball Room
3:30 PM - 4:30 PM	UFTR Tour/NAA Workshop	Nuclear Sciences Building (NSB)
3:30 PM - 5:00 PM	HPC Workshop II	Chamber
3:30 PM - 5:00 PM	Radiation Detection & Instrumentation Panel	G310
6:00 PM - 8:30 PM	Equality in Energy Access Dinner	Grand Ball Room
8:30 PM - 9:30 PM	Nuclear Trivia	Room 227, Nuclear Sciences Building (NSB)
9:30 PM - 11:30 PM	Social	The Swamp

FRIDAY

7:00 AM - 8:00 AM	Yoga	Southwest Rec
7:30 AM - 9:30 AM	Breakfast	Grand Ball Room Hall
8:00 AM - 9:30 AM	MOOSE II Workshop	Chamber
8:00 AM - 9:30 AM	ANS in the Current Political Realm Panel	2355
8:00 AM - 9:30 AM	Presentation Practice	G315
8:00 AM - 11:20 AM	Technical Session	2315
8:00 AM - 11:20 AM	Technical Session	2320
8:00 AM - 11:20 AM	Technical Session	2325
8:00 AM - 11:20 AM	Technical Session	2330
8:00 AM - 11:20 AM	Technical Session	2335
8:00 AM - 11:20 AM	Technical Session	2360
8:00 AM - 11:20 AM	Career Fair	2365
9:30 AM - 10:00 AM	Coffee Break	Grand Ball Room Hall
10:00 AM - 11:15 AM	MOOSE II Workshop	Chamber
10:00 AM - 11:20 AM	Nuclear Equality: Creating an Equal Playing Field for Nuclear Energy Panel	2355
11:30 AM - 1:00 PM	SSC Meeting	Chamber
11:40 AM - 1:00 PM	Sponsor Lunch & Learn	Grand Ball Room
1:15 PM - 3:00 PM	Plasma & Fusion Panel	Chamber
1:15 PM - 3:00 PM	Smart Advocacy Panel	G320
1:15 PM - 5:00 PM	Technical Session	2315
1:15 PM - 5:00 PM	Technical Session	2320
1:15 PM - 5:00 PM	Technical Session	2325
1:15 PM - 5:00 PM	Technical Session	2330
1:15 PM - 5:00 PM	Technical Session	2335
1:15 PM - 5:00 PM	Technical Session	2360
1:15 PM - 5:00 PM	Career Fair	2365
3:00 PM - 3:30 PM	Coffee Break	Grand Ball Room Hall
3:30 PM - 5:00 PM	Beyond the Mountain Panel	Chamber
3:30 PM - 5:00 PM	Advanced Fuels & Materials of UF	Nuclear Sciences Building (NSB)
6:00 PM - 8:30 PM	Divisions of ANS Policy Dinner	Champions Club
8:30 PM - 9:30 PM	Networking Hour	Champions Club
9:30 PM - 11:30 PM	Social	The Wooly
10:30 PM - 12:00 AM	LGBTQ Social	University Club

SATURDAY

7:00 AM - 8:00 AM	5K Fun Run	Lake Alice
7:30 AM - 9:30 AM	Breakfast	Grand Ball Room
8:00 AM - 9:30 AM	Health Physics & Radiation Dosimetry Panel	G310
8:00 AM - 9:30 AM	Getting Minorities in STEM Panel	Chamber
8:00 AM - 9:30 AM	Presentation Practice	G315
8:00 AM - 11:25 AM	Technical Session	2315
8:00 AM - 11:25 AM	Technical Session	2320
8:00 AM - 11:25 AM	Technical Session	2325
8:00 AM - 11:25 AM	Technical Session	2330
8:00 AM - 11:25 AM	Technical Session	2335
8:00 AM - 11:25 AM	Technical Session	2360
8:00 AM - 11:25 AM	Career Fair	2365
9:30 AM - 10:00 AM	Coffee Break	Grand Ball Room
10:00 AM - 11:25 AM	Advanced Modeling & Simulation	G310
10:00 AM - 11:25 AM	Finding X Panel	Chamber
11:40 AM - 1:00 PM	Sponsor Lunch & Learn	Grand Ball Room
1:15 PM - 3:00 PM	Bidding & Hosting an ANS Student Conference Panel	G310
1:15 PM - 3:00 PM	Providing Energy for Remote America Panel	Chamber
1:15 PM - 5:00 PM	Poster Session	2355
1:15 PM - 5:00 PM	Technical Session	2315
1:15 PM - 5:00 PM	Technical Session	2320
1:15 PM - 5:00 PM	Technical Session	2325
1:15 PM - 5:00 PM	Technical Session	2330
1:15 PM - 5:00 PM	Technical Session	2335
1:15 PM - 5:00 PM	Technical Session	2360
3:00 PM - 3:30 PM	Coffee Break	Grand Ball Room
3:30 PM - 5:00 PM	Women in Engineering: Creating a New Normal Panel	G310
3:30 PM - 5:00 PM	Power the World Design Contest	Chamber
6:00 PM - 8:30 PM	Equality Dinner	Grand Ball Room
8:30 PM - 9:30 PM	Game Night	Reitz Game Room
9:30 PM - 11:30 PM	Social	The Oak

SUNDAY

8:00 AM - 9:30 AM	UFTR Tour/NAA Workshop	Nuclear Sciences Building (NSB)
10:00 AM - 11:00 AM	UFTR Tour/NAA Workshop	Nuclear Sciences Building (NSB)

BANKING

BANKING PLAN

Because of the magnitude of funds involved in conference organization, we will be using two different bank accounts, one through ANS National and one through Wells Fargo.

The primary account will be through ANS National. National's experience with large funds, specifically those for conference, makes us extremely comfortable with this option. Potential sponsors will likely be more confident donating to a nationally recognized organization, and their donations would be tax exempt under ANS's 501(c)(3) status. After speaking with Stacy Levy, it was also determined that ANS National has sales tax exempt status in Florida, so we would use this account as a primary purchasing account as well.

Our established working relationship with Wells Fargo makes it an easy decision to use them for our secondary account. Our section account is also held with Wells Fargo, however, this conference account will be kept completely separate from our section funds, which require different oversight. This second account will be used for day to day expenses and recurring payments, such as website hosting. Items like these are on a smaller scale, and we feel that a separate account for them is more practical than going through national. Should the Wells Fargo Account fall through, an contingent method would be to create an account through the University of Florida Student Government. This would also allow for conference funds and transactions to be kept separate from, and under different oversight than, section funds.

However, if ANS National is more comfortable with all funds going through one account, we understand and will work to consolidate.

FINANCIAL OVERSIGHT

In order to maintain the financial integrity required for a conference of this degree, meticulous oversight will be practiced. Expense requests will be required for all transactions with both the ANS and Wells Fargo accounts. These requests must outline the reason for the transaction and the total cost; for recurring expenses, only one encompassing request will be required which outlines reasons for recurrence and dates of each payment due. All requests must be approved by both proposal co-chairs and the banking/finance chair. Both proposal co-chairs and each subcommittee chair will have authority (with aforementioned approval) to complete transactions on the Wells Fargo account, but the banking/finance chair will hold the account debit card and checkbook while they are not in use. The banking/finance chair will also keep record of all transactions, which will be updated regularly and available to all subcommittee chairs.

BUDGET

Listed below is our primary budget including all expected expenses for the conference. Potential budget cuts can be found in Appendix I.

ITEM NAME	PRICE ($)	UNITS	TOTAL ($)
DINING & CATERING			
Continental Breakfast	3,694.00	3	11,082.00
Morning Coffee Breaks	324.87	3	974.61
Thursday Box Lunch	4,848.00	1	4,845.00
Friday Lunch & Learn	7,121.85	1	7,121.85
Saturday Lunch & Learn	7,121.85	1	7,121.85
Thursday Dinner	17,234.16	1	17,234.00
Friday Dinner	18,085.50	1	18,085.50
Saturday Dinner	17,234.16	1	17,234.16
Afternon Breaks	1,431.66	3	4,294.98
		Total:	$87,994.11
TRANSPORTATION			
KSC Tour	1139.50	1	1,139.50
St. Lucie Tour	1139.50	1	1,139.50
St. Augustine Roadtrip	1007.00	1	1,007.00
Kings Bay Tour	1139.50	1	1,139.50
Orlando Transportation	927.50	8	7,420.00
Jacksonville Transportation	821.50	4	3,286.00
Tampa Transportation	980.50	4	3,922.00
		Total:	$25,890.50
FACILITIES			
Reitz Grand Ballroom with setup	200.00	2	400.00
Champions Club with Setup	2500.00	1	2,500.00
Reitz Union Meeting Space Daily	0.00	3	0.00
		Total:	$2,900.00

ITEM NAME	PRICE ($)	UNITS	TOTAL ($)
SOCIAL			
Thursday Night Social at The Swamp Restaurant	3,000.00	1	3,000.00
Friday Night Social at The Wooly	2,500.00	1	2,500.00
Saturday Night Social at the Oak	3,200.00	1	3,200.00
Saturday Night LBGTQ Social at The UC	1,000.00	1	1,000.00
Game Night	323.00	1	323.00
		Total:	$10,0023.00
SWAG			
T-Shirt	3.39	550	1,865.60
Bags	6.97	550	3,836.14
Mugs	2.52	550	1,387.54
Pens	0.37	550	204.05
Note Pads	1.05	550	577.17
Combination Pizza Slicer	1.57	550	862.84
Koozies	0.45	550	244.86
		Total:	$8,978.20
MISC			
Conference Program	11.38	550	6,261.42
Signage	13.83	45	622.49
Sign Easels	0	15	0.00
Lapel Microphone (Panels & Workshops)	16.00	9	144.00
All other A/V	0	2	0.00
Lanyards and Name Tags	2.60	550	1,428.35
KSC Admission	22.37	50	1,118.25
Mobile App & website	2,120.00	1	2,120.00
Website domain plus 2-years of hosting	200.00	1	200.00
Yoga Instructor	75.00	1	75.00
		Total:	$11,769.51

ITEM NAME	PRICE ($)	UNITS	TOTAL ($)
AWARDS & GIFTS			
Best PaperAwards	200.00	2	400.00
Speaker Gifts	50	6	300.00
Printed Certificates for each Technical Track	1.59	42	66.78
Equality themed award	100.00	3	300.00
		Total:	$1,066.78
STUDENT TRAVEL			
Travel Reimbursement			60,000.00 *
* Reported average from ANS National			
		Total:	$60,000.00
GRAND TOTAL		Total:	$208,622.10

PROJECTED SPONSORSHIP AND TOTAL REVENUE

Complete sponsorship data from the 2014 and 2016 conferences was provided by the Penn State and Wisconsin Conference Co-Chairs. Overall sponsorship figures from 2015 were provided by the Texas A&M conference leadership. Each set of data was carefully analyzed by our sponsorship team in order to develop a reasonable sponsorship projection.

Exhibitor Package	Sponsor Incentives	Quantity	Total ($)
1000	Friend of Nuclear (*Average of $1000 for estimate)	15	15,000.00
2500	Career Fair Basic	17	42,500.00
3500	Exhibitor Pro	4	14,000.00
10000	Exhibitor Premier	2	20,000.00
Sponsorship Tiers			
5000	Ally	9	45,000.00
10000	Advocate	2	20,000.00
15000	Leader	1	15,000.00
20000	Champion	1	20,000.00
	TOTAL PROFESSIONAL SPONSOR REVENUE		191,500.00
	TOTAL SPONSORS	51	
	Waived registration for speakers & workshop hosts	24	
35	Student Registration	430	15,050.00
250	Professional Registration	120	30,000.00
(Number includes discounts to speakers, panel-ists and workshop instructors)	Net Waived Registration	56	14,000.00
	Net Professional Registration	64	16,000.00
	TOTAL REGISTRATION REVENUE		31,050.00
	TOTAL CONFERENCE REVENUE		$222,550.00

As shown, we expect a total of 56 waived professional registrations. This correlates to the number of waived fees given in our expected tier sponsorship figures and also factors in discounts to speakers, panelists, and workshop instructors.

SPONSORSHIP STRATEGY

We plan to offer a variety of different sponsorship options that provide several levels of conference visibility. Through these incentives, sponsoring companies and organizations will be exposed to arguably the highest concentration of young talent available in the nuclear field. Our highest tier sponsors will get the most conference visibility by selecting one of our Elite Packages. These packages include the $5000 Ally Package, the $10,000 Advocate Package, the $15,000 Leader Package, and lastly, the $20,000 Champion Package. Incentives for each are outlined on the following page.

In addition to Elite Packages, we're offering three separate exhibitor packages. In this approach, we are offering a little something extra at each level. For those who are only interested in participating in the Career Fair, we have our Career Fair Basic package. For only $1000 dollars more, sponsors will be provided additional incentives on top of hosting a career fair table. Lastly, we offer the Exhibitor Premier packages. With a limited availability, the Exhibitor Premier package offers the large additional incentive of hosting either the Friday or Saturday Lunch & Learns. Sponsors selecting this package will be interested to know that we are planning these Lunch & Learns in such a way we feel will maximize the number of attendees. This is done by creating little overlap between other conference activities and creating dining arrangements that make it most convenient for attendees to enter the Grand Ball Room where the Lunch & Learns are set to take place.
For those who would like to contribute at any level below the exhibitor package levels, we have our Friends of Nuclear Contributor package. Any ANS Division who is a Friends of Nuclear Contributor will be offered two tables at the Divisions of ANS Policy Dinner.

CONTRIBUTORS

FRIENDS OF NUCLEAR
$<2500
CONTRIBUTOR PACKAGE
RECOGNIZED ON THE FRIENDS OF NUCLEAR PAGE IN THE CONFERENCE PROGRAM

EXHIBITOR PACKAGES

CAREER FAIR BASIC	EXHIBITOR PRO	EXHIBITOR PREMIER
$2500	$3500	$10,000
CAREER FAIR TABLE	CAREER FAIR TABLE	CAREER FAIR TABLE
RECOGNIZED ON SPONSORSHIP PAGE	1 FULL COLOR LOGO ON SPONSORSHIP PAGE	LUNCH WITH KEYNOTE TALK
	1 WAIVED REGISTRATION	2 WAIVED REGISTRATIONS
	1 SESSION SPONSORSHIP OR COFFEE BREAK SPONSORSHIP	1/4 PAGE AD IN CONFERENCE PROGRAM

ELITE PACKAGES

ALLY

$5,000

- CAREER FAIR TABLE
- 2 WAIVED REGISTRATIONS
- 1/4 PAGE AD IN CONFERENCE PROGRAM
- 1 WORKSHOP OR PANEL SPONSORSHIP
- 1 SESSION SPONSORSHIP OR BREAKFAST SPONSORSHIP

ADVOCATE

$10,000

- CAREER FAIR TABLE
- 2 WAIVED REGISTRATIONS
- 1/4 PAGE AD IN CONFERENCE PROGRAM
- LOGO ON CONFERENCE T-SHIRT
- LOGO ON ATTENDEE BAG ITEM
- SOCIAL SPONSORSHIP (3) OR 2 SESSION SPONSORSHIPS

LEADER

$15,000

- 2 WAIVED REGISTRATIONS
- 1 FULL PAGE AD IN CONFERENCE PROGRAM
- LOGO ON OFFICIAL CONFERENCE T-SHIRT
- ENTIRE TECHNICAL TRACK SPONSORSHIP (RP, OPD)
- THURSDAY- ENERGY ACCESS DINNER SPONSORSHIP
- OPPORTUNITY TO ADDRESS AT DINNER
- INNOVATION CONTEST SPONSORSHIP

CHAMPION

$20,000

- 4 WAIVED REGISTRATIONS
- 1 FULL PAGE AD IN CONFERENCE PROGRAM
- LOGO ON OFFICIAL CONFERENCE T-SHIRT
- ENTIRE TECHNICAL TRACK SPONSORSHIP (RP, OPD)
- DINNER & AWARD CEREMONY SPONSORSHIP
- OPPORTUNITY TO ADDRESS AT DINNER
- POSTER SESSION SPONSORSHIP

ADDITIONAL COMMENTS ON SPONSORSHIP TIERS

As can be seen by reviewing the Leader and Champion packages, there are only two dinners available for sponsorship naming rights. Should there be a third sponsor that elects to sponsor at either of these levels, we will offer the sponsorship of tours, and sponsorship of the Equality Special Tracks in addition to a full technical track. One additional quarter page ad highlighting sponsorship of Equality Special Tracks will also be offered. The opportunity to give an address during the Friday night dinner will also be offered. These incentives will be done in lieu of being a dinner sponsor, and sponsor of the innovation contest and poster session. All of the remaining incentives offered for Leader and Champion packages would still apply.
Should there be a fourth Leader or Champion sponsor, they will be given the same privileges described in the Exhibitor Premier package should they be available. They will also be recognized as sponsors of the LGBTQ Social and Gainesville Conference Transportation.

ENGAGEMENT WITH PROFESSIONAL DIVISIONS

In order to best serve the interests of attendees, we plan to work extensively with the Professional Division Chairs. The Professional Divisions have an immense amount of value to offer for both the students and professionals in attendance. For professionals, it is a place to expand on one's interest in the field and to receive recognition for their work. For students, it allows them to learn more about the vast array of opportunities within nuclear engineering, network with professionals, and receive academic and financial support through scholarships and awards. These divisions were created with the goal of advancing the field of nuclear engineering through collaboration and cooperation, which is why they should be included throughout the planning process of the conference. We will attend the 2017 ANS Summer Conference and meet with each individual division chairs to best learn their goals and ideas for the 2018 Conference. This will be done in part by preparing division specific sponsorship packets. Each member of the conference committee will be assigned to a division to act as a laison.

By improving communication with the professional division chairs, we hope student engagement with the professional divisions increased and the divsisions will see the worth in sponsoring Student Conferences.

REGISTRATION

Our registration is set to match both the 2015 and 2016 conferences with $35 dollars for students and $250 for professionals. Several waived and reduced professional registrations are factored in the overall expected revenue outlined.

STUDENT TRAVEL REIMBURSEMENT

Although individual statistics were not provided, ANS National provided us with the annual average total student travel reimbursement of $60,000 for the past four ANS Student Conferences. We assume that for those applying for travel reimbursements will receive a reimbursement from us that covers most of their costs associated with either flight or driving to the conference while also being contingent on our allotted funds for travel reimbursement. This allotted amount will be initially set at $60,000. This is amount is subject to change; However, it shall not go below $60,000.

TRAVEL REIMBURSEMENT PROCEDURE

We will work to ensure that travel costs are reimbursed at or as close to full as possible. Reimbursements will be distributed based on a cost per individual basis. For example, if students "Jane" & "John" from the same university pay $250 and $200 dollars, respectively, we will do our best to reimburse Jane $250 and John $200. This will require the receipts for either gas or flights from each attendee applying for reimbursement. Receipts shall be returned to our Finance Committee Director for initial processing no later than two weeks starting the Sunday following the conference, making receipts due April 23rd, 2018. Receipts shall be received via email from the chapter president or other appointed representative from each school in one PDF document. The PDF will contain the travel reimbursement form and receipts for each student. On Monday, April 24th, 2018, the General Program Co-Chair and Finance Committee shall review all returned forms and receipts. If there are any issues or incomplete forms and receipts, we will notify the chapter president and individual(s) of said university on Tuesday, April 25th, 2018, and inform them that they have until Thursday, April 27th, 2018 to take corrective action. Based on each individual travel costs and allotted funds for student travel reimbursement in our ANS National account,.A master list of each chapter and their allotted total reimbursement along with every university's set of forms will then be handed over to ANS National for final distribution of reimbursements. Checks for total amounts to each university will then sent through the ANS National Offices to the chapter presidents or representatives. It will then be up to the individual chapter president to make the final distribution of funds to those who applied for travel reimbursements according to the amount each individual spent.

ENSURING TIMELY REIMBURSEMENT

The plan of making reimbursements done by a chapter-to-chapter basis was planned in order to ensure timely distribution. By also setting strict deadlines for reimbursement, we believe this will make for an efficient turnaround. Our team will do their part to also abide by this schedule.

COST OF ATTENDANCE

The cost of attendance will vary on several factors such as whether or not the attendee has departmental support from their school, their respective student section, or if they apply for student travel reimbursement. Our projected cost of attendance will assume that the student is applying for the student travel reimbursement only. It's been the experience of ANS Student Conference attendees from the University of Florida that these reimbursements cover most, if not all of the costs associated with flights and travel. This is has been the experience from the past four student conferences. Therefore, we assume flights to be covered for attendees applying for travel reimbursement. We understand that students may elect to stay in hotels with either double, triple, or quad occupancy. For the sake of our projected cost of attendance we assume the average student is in a triple occupancy room arrangement at their respective hotel. The typical rate for up to quad occupancy at our top choice hotels is $149 per night, which split three ways is $49.67 per night. Should the attendee stay all four nights of the conference, this would amount to a total of $198.68 in hotel costs per person. This, in addition to the cost of student registration amounts to $233.68 total per attendee.

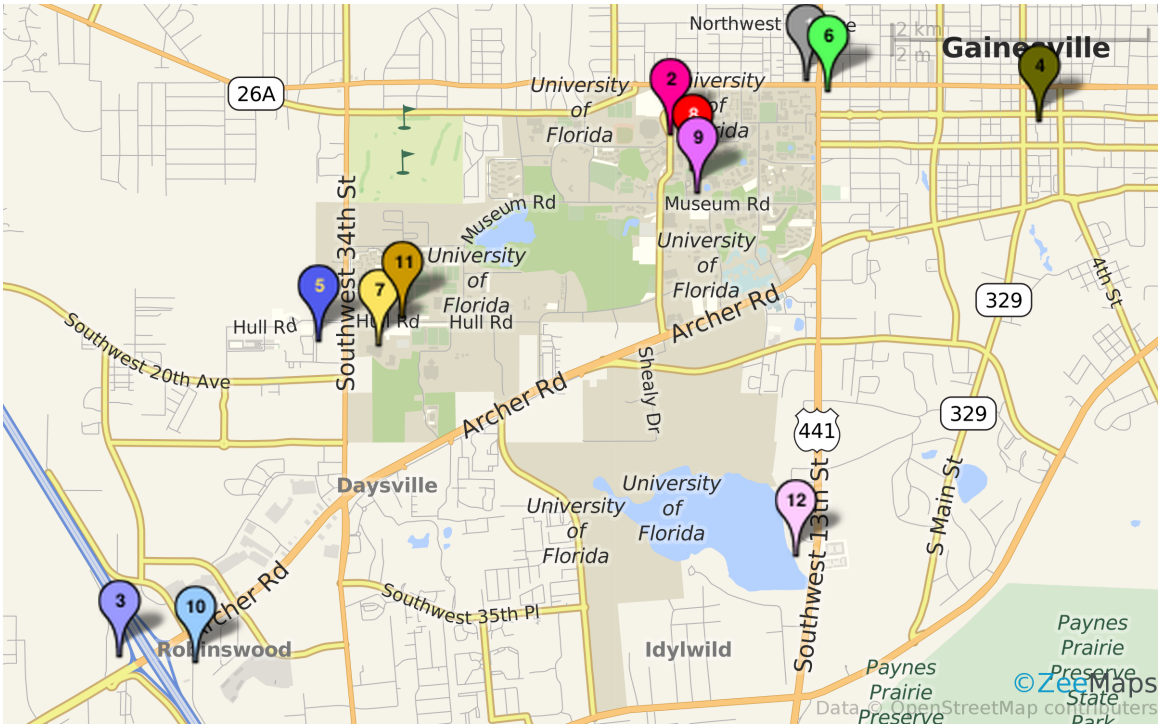
LOGISTICS

TRANSPORTATION

All busing will be provided through Candies Coachworks, a local private shuttle service in Gainesville. To facilitate attendees flying into Orlando, Jacksonville, and Tampa Airports buses will be provided to transport them to their respective hotels. Tentatively, we have eight 56 passenger buses budgeted for airport transportation, with two buses going to Tampa and Jacksonville each, and four buses going to Orlando. Pickup times and amount of buses assigned to each airport will ultimately be subject to arrival times and amount of travelers to each airport. We will request this info from attendees on the conference registration portal and schedule buses accordingly. Busing from Gainesville Airport will be available through hotel shuttle services. All of our candidate hotels have confirmed of having complimentary busing services.

Shuttle service during conference times Thursday through Saturday will be available from 7:00 AM to 12:30 AM. Shuttle service will be provided to and from the Hotels, Reitz Union, Socials, and Thursday events. Candies will also provide bussing service for all out of town tours. Complete pricing with taxes and additional as quoted by Candies Coachworks are outlined in the primary budget.

TRAVEL DURING CONFERENCE



1. AC Marriot
Gainesville, Florida, 32603

2. Champions Club
3150 Hull Road
Gainesville, Florida, 32611

3. Country Inn
Okaloosa County, Florida, 32541

4. Hampton Inn
Gainesville, Florida, 32601

5. Hilton
Gainesville, Florida, 32603

6. Holiday Inn
Gainesville, Florida, 32601

7. Museums
Gainesville, Florida, 32603

8. NSB
Gainesville, Florida, 32603

9. Reitz Union
Gainesville, Florida, 32603

10. Springhill Suites Marriot
3150 Hull Road
Gainesville, Florida, 32611

11. SW Rec Cener
3150 Hull Road
Gainesville, Florida, 32611

12. Wyndham
Gainesville, Florida, 32601

CONTINGENCY PLAN

Should there be any reason our current reservations at the Reitz Union were to be canceled for any reason, we have the option of using the Hilton Conference Center. The Hilton Conference Center layout is provided in Appendix M It's possible certain panel discussions would have to be canceled under this scenario. Highest priority for room space would be given to technical sessions and the career fair on Friday and Saturday. Further adjustments may be required to the budget if this scenario were to take place. The Hilton would only be able to hold daily conference activities and not the dinner events. Therefore, we would be required to pay facility rental fees from the Hilton due to lack of using Hilton for F&B.

Further Reitz Union Assurance

We've been assured by Reitz Union Event Services that losing our reservation is highly unlikely and that it's against their policy to remove established reservations unless the reserving party is given a first refusal notice. They also stated that the only scenario which would potentially affect our reservations is if there were to be damage to the Reitz Union caused by fire or natural disaster. Refer to Appendix F for official Reitz Union reservations.

HOTEL CONTINGENCY PLAN

The Hampton Inn, the Holiday Inn, the Country Inn, the Wyndam, and La Quinta hotels have granted us official holds for the listed room blocks through November of 2016, so we don't expect there will be an issue with securing enough room blocks. This is provided we are notified of being awarded as hosts for the 2018 Student Conference during the National Conference in November.

Should there be an issue with booking any of these hotels, we would select one of the next room block offers in our hotel ranking, this again would not be the Hilton unless they agreed to offer a more competitive rate. Our primary concern for booking the hotel blocks is choosing the lowest rate possible in order to keep it financially viable for all students who wish to attend.

TRANSPORTATION CONTINGENCY PLAN

There are several other busing companies in the area that offer the same services as Candies. This includes Annett Bus Lines, Coach and Carriage Motorcoach, and Empire Coaches. Each of these alternate charter services offers comparable rates as Candies.

EVENING DINNER LOCATION CONTINGENCY PLAN

Thursday

If the Conference Contingency Plan were to go into effect, we been given a first refusal hold on the entire O'Connell Center, home of the Florida Gators Basketball teams, for Thursday night of the conference. A layout of the O'Connell Center i provided in Appendix D.

Friday

Should our plans to host the Divisions of ANS - Policy Dinner in the Champions Club on Friday Night fall through, we have the Rion Ballroom in the Reitz Union reserved for Friday evening. Dining options for this event should be comparable to what would be served in the Champions Club; however, this event would be treated more as a reception style event with high top, standing round tables. No speakers would participate in this event, instead it would be geared towards networking. A diagram of the Rion Ball Room with capacity can be found in Appendix C. Food costs should remain close to the same as the Champions Club minus the fees associated with setting up banquet style rounds.

Saturday

Should the Grand Ball Room be unavailable for any reason, we have a hold on the Champions Club for Saturday evening with first refusal privileges. Costs for this event will be approximately the same as the planned Friday night dinner.

ADDITIONAL COMMENTS ON THE O'CONNEL CENTER CONTINGENCY PLAN

As stated, we currently have a first refusal hold for Thursday evening. In addition, we have a tentative hold for Friday and Saturday. The O'Connell Center events office stated that the O'Connell Center is not currently reserved for Friday and Saturday; however, they could not guarantee us with first refusal privileges for those two evenings, as there is another group that traditionally reserves one of those two dates for that weekend that they have a longstanding relationship with. They also stated that we would be moved to holding first refusal privileges for those two dates in Fall of 2017, should the aforementioned group not reserve on either of those days. They also stated they would inform us when and if this group reserves, so we can plan to have additional contingency options.

CONTINGENCY FOR FAILURE TO REACH EXPECTED REVENUE GOALS

If we fail to reach our sponsorship sufficient enough to cover the costs outlined in our budget, we have a list of five budgetary amendments listed in Appendix I . Each amendment lists items for removal from the original proposed budget and are categorized as Amendments A-E, with Amendment A showing only minimal item removals, while Amendment E shows the most item removals.

We will continue working with past conference planning committees to ensure that we are on target for our primary budget. If after any periodic evaluation as outlined in our timetable of milestones we determine that we are not on target for reaching our sponsorship and revenue goals, we may decide to implement certain amendments, starting at Amendment A and working further through B-E if deemed necessary after additional periodic revenue evaluations.

CATERING CONTINGENCY

Should Classic Fare Catering be unable to fulfill their proposal to us, we will further ensure that breakfast is served at each hotel and the lunches would be cancelled. Several dining options are available in the Reitz Union and the immediate campus surroundings for lunch and attendees would be left to make their own lunchtime plans. Evening banquets would be replaced by three local favorites who also provide catering services for large groups of people. The three first choice contingency catering services are Mi Apa, Four Rivers Smokehouse, and Chef Brother's. Chef's Brother's is a catering service that serves the Gainesville area and offers similar rates as Classic Fare for both staffing and food options. Four Rivers is a barbeque establishment that offers vegetarian options and is an option frequently used by ANS at UF. Mi Apa is a Cuban inspired local restaurant that offers a variety of menu options for large gatherings. Both Mi Apa and Four Rivers offer slightly less expensive options than Classic Fare. Since the University of Florida requires events hosted at the Reitz Union to use Classic Fare Catering, it would be a highly unlikely scenario under which we would be hosting events in the Reitz Union. The contingency dining options are in place for scenarios where we are also unable to use the Reitz Union for conference activities. The only foreseeable scenario where this could occur is if the Reitz Union is taken out commission from either fire or natural disaster.

LIABILITY

In general many of the offsite events and services have their own respective policies regarding liability and insurance.

Hotel rooms

In the event a hotel requires a minimum number of rooms to ensure a price we will be subject to possible overcharges. This will be avoided by accurately estimating the number of attendees and encouraging them to first stay at hotels requiring a minimum number of rooms. There will be an emphasis on only entering contracts with penalties such as this that we are confident will fill up. The hotels are not responsible for stolen, lost, or damaged items. Hotel rooms damaged by individuals will be charged. Guests must enter a contract with the hotel. We will just get the rate secured. item Each hotel facility will be covered under their respective insurance policies.

Bank account

Primary banking will be done through ANS National. Tax write-offs will be distributed through the ANS National account. A checking account will be opened at Wells Fargo for day to day operations. All penalties for over drafting and mismanaging the account will be identified.

Release of information

Personal information will be gathered at several steps and must be done carefully to ensure information is not leaked. Credit card, and other personal information given to hotels, transportation services, outside food vendors are not the responsibility of the conference.

Disabilities

At every event we will strive to be compliantwith ADA regulation. ADA compliance should not be a problem as the recently renovated Reitz Union is fuly compliant. In compliance with the 2010 Florida regulation we will make every effort to provide electronic information technologies accessible to people with disabilities. We cannot make any guarantee that events hosted off campus will be ADA compliant. We will try and stick to events that are and help any individual out who may require additional assistance.

Alcohol

During all conference events, alcohol will only be served to those over the age of 21. At socials where drink tickets are dispersed students will be required to provide a valid state ID or passport. Classic Fair Catering reserves the right to refuse to anyone they deem not fit or cannot provide valid identification. At conference events on campus that may be serving alcohol there will be supervisors in attendance to identify students who may have had too much to drink that are dangers to themselves and others. Any off campus socials serving alcohol, will be distributed by each establishment and therefore not the responsibility of the conference. We will encourage those in attendance to be responsible as they are representing the nuclear industry.

WEBSITE AND MOBILE APP

A website will be created upon recieving confirmation that UF will be hosting the student conference. The website will have all conference information including deadlines, sponsors, travel to Florida, and the paper submission portal. The paper submission portal will created with help from ANS National. Hosting and purchase of the domain name www.ansstudentconference2018.com will be done through Blue Host. Several members of the conference committee have experience in website development so beyond hosting and purchasing a domain name no additional development costs will be incurred. The estimated cost for hosting and purchasing the domain name is specified in the budget to be $200.00 . The website will be hosted and maintained for two years. In conjunction, a FaceBook page will be created to provide another avenue to distribute information about conference deadlines and related information.

A mobile application for Apple and Android based phones will be created to act as a conference program. This mobile app will contain information on all conference material as well provide a method for announcements during the conference. An outside company, GuideBook, will create the app based on the schedule and information we provide. The cost of this is given in the budget as well and is expected to be $1750.00 for the basic package, which we believe is sufficient for our purposes. Other ANS conference have utilized GuideBook and it has generally worked well. The only issues experienced were those utilizing Android based phones. To mitigate these errors we hope some committee members will be able to test the features on Android based phones in the weeks prior to the start of the conference.

MILESTONES

NOVEMBER 2016

Notify department we have been selected.	November 8th, 2016	Co-Chairs
Notify department of reception of conferences	November 10th, 2016	Co-Chairs
Confirm Conference committee	November 20th, 2016	Co-Chairs
Confirm all room reservations at the Reitz union. This includes ball rooms and conference rooms.	November 20th, 2016	Program

DECEMBER 2016

Finalize conference date, done in conjunction with hotel negotiations to ensure dates are available.	December 15th, 2016	Co-Chairs & Logistics
Contact national for support and begin negotiations with hotels. Secure block size and cost at each hotel.	December 15th, 2016	Co-Chairs & Logistics
Finalize Logo Design	December 31st, 2016	Program

JANUARY 2017

Contact national to setup payments and banking	January 10th, 2017	Finance
Contact UF Student Government about second bank account for conference	January 10th, 2017	Finance
Obtain domain name & hosting for www.ansstudentconference2018.com	January 15th, 2017	Communications
Outline website	January 21st, 2017	Communications
Confirm bi-monthly meeting schedule for conference committee	January 15th, 2017	Communications

FEBRUARY 2017

Create social media pages, twitter and facebook	February 15th, 2017	Communications
Finalize list of speakers for panels, and workshops	February 28th, 2017	Program
Finalize technical topics for papers/posters.	February 28th, 2017	Technical

APRIL 2017

Attend Student Conference in Pittsburgh	April 6-9th, 2017	All
Finalize sponsorship packets and send out to potential sponsors	April 30th, 2017	Finance
Request information from Pittsburgh on their conference	April 30th, 2017	Co-Chairs

MAY 2017

Contact leads for conference tours, confirm dates and cost	May 15th, 2017	Communications
Begin creation of conference program	May 20th, 2017	Program
Submit progress report to SSC	May 31st, 2017	Co-Chairs

JUNE 2017

Create call for papers sheet	June 7th, 2017	Communications
Finalize outreach packets for ANS Division Sponsors	June 7th, 2017	Co-Chairs
Attend National Conference in San Francisco	June 11-15, 2017	All
Engage with potential sponsors at National Meeting	June 11-15, 2017	Finance
Report on talks with sponsors	June 21st, 2017	Finance

JULY 2017

Reassess Budget based on sponsorship information and evaluations of other costs	July 15th, 2017	Co-Chairs / Finance
Engage with businesses hosting socials, confirm costs and dates	July 31st, 2017	Program Director

AUGUST 2017

Contact speakers and panelists again to confirm attendance	August 15th, 2017	Communications
Finalize Design Competition	August 15th, 2017	Program
Create schedule for bi-monthy meetings for the upcoming semester	August 24th, 2017	Co-Chairs
Submit progress report to SSC	August 31st, 2017	Co-Chairs

SEPTEMBER 2017

Touch bases with potential sponsors and confirm any	September 15th, 2017	Finance
Contact company to confirm creation and costs of swag items	September 21st, 2017	Finance
Update other student sections on conference and paper submission deadlines	September 31st, 2017	Communications

OCTOBER 2017

Confirm hotel room blocks are set and contracts are signed	October 15th, 2017	Facilities
Update conference Program	October 21st, 2017	Program
Attend National Winter conference	October 29-November 2, 2017	All
Engage with sponsors and divisions at conference	October 29-November 2, 2017	Co-Chairs / Finance

NOVEMBER 2017

Report on engagement with sponsors and other meetings from National Conference	November 7th, 2017	All
Finalize marketing material for conference	November 15th, 2017	Communications
Reasses budget based on new sponsorship and updated costs	November 21st, 2017	Finance
Update information for the mobile app and website	November 21st, 2017	Program
Open up conference registration, coordinate with ANS National on this	November 21st, 2017	Program / Co-Chairs

DECEMBER 2017

Confirm menus for banquets, lunches, and coffee breaks	December 15th, 2017	Facilities
Update SSC on progress	December 15th, 2017	Co-Chairs
Create and test online paper submission portal on conference website	December 15th, 2017	Technical

JANUARY 2018

Pre-semester meeting with conference committee, schedule bi-monthly meetings for committee	January 5th, 2018	Co-Chairs
Confirm all judges, panelists, and speakers will be attending the conference.	January 15th, 2018	Communications
Put out call for papers, let other student sections know	January 15th, 2018	Technical
Finalize transportation during the conference	January 15th, 2018	Facilities
Complete program design	January 30th, 2018	Program

FEBRUARY 2018

First paper deadline February 8th, possible extension to the 15th.	February 8th, 2018	Communications/Technical
Order all swag items	February 15th, 2018	Communications
Update website and social media with sponsors and deadlines	February 15th, 2018	Program
Final paper deadline if extended	February 15th, 2018	Technical
Connect papers with reviewers	February 15th, 2018	Technical
Finalize information to put in mobile app and send first draft to GuideBook	February 20th, 2018	Technical
Give SSC progress report	February 25th, 2018	Co-Chairs
Finalize Budget	February 28th, 2018	Finance

MARCH 2018

Return paper reviews, give one week to turn in edits	March 7th, 2018	Technical
Finalize staffing schedule	March 10th, 2018	Program
Receive finalized papers, organize into tracks for presentations	March 15th, 2018	Technical
Print programs	March 15th, 2018	Program
Finalize awards and have plaques/certificates made.	March 20th, 2018	Finance
Follow up with catering and include any new dietary restrictions based on attendee feedback	March 15th, 2018	Facilities
Prepare welcome bags for attendees	March 25th, 2018	Finance
Confirm transportation for attendees flying into airports outside of Gainesville	March 28th, 2018	Facilities
Create guest accounts on HiperGator and install/test all necessary technical workshop material	March 28th, 2018	Technical
Submit final progress report to SSC	March 28th, 20818	Co-Chairs

APRIL 2018

Print tags, signs, and banners	April 1st, 2018	Program
Conference!	April 5th - 8th, 2018	All
Send thank you letters to sponsors, judges, panelists, speakers, workshop instuctors, and UF faculty	April 15th, 2018	Co-Chairs
Publish initial conference report to website	April 20th, 2018	Communications
Process Student Travel Reimbursements	April 24th, 2018	Finance

MAY 2018

Return seed money to ANS National	May 2nd, 2018	Co-Chairs / Finance
Finalize financial report	May 8th, 2018	Finance
Submit conference report	May 15th 2018	Co-Chairs

CONCLUSION

In conclusion, we believe that we possess the drive and determination to take on the challenges that come with hosting the 2018 ANS Student Conference. Between our large number of dedicated students within ANS and the Nuclear Engineering Program, as well as our world class facilities and unique conference program, we believe that we're more than capable of catering to all the needs of every student and professional who attends the conference. After long discussions with those whom we consulted with in the process of writing this proposal, many agreed that this is a first of its kind program for an ANS Conference. We also understand that this is an ambitious proposal; however, we're excited to have the chance of making it a reality.

We hope the committee is pleased with what have to offer at the University of Florida and we look forward to serving the nuclear community by welcoming ANS in 2018.

APPENDIX A - LETTERS OF SUPPORT

UF UNIVERSITY of FLORIDA

Herbert Wertheim College of Engineering
Office of the Dean

300 Weil Hall
PO Box 116550
Gainesville, Florida 32611-6550
Tel: (352) 392-6000

September 30, 2016

American Nuclear Society
555 North Kensington Avenue
La Grange Park, Illinois 60526

Dear Members of the Student Conference Selection Committee:

I am pleased to write in support of the University of Florida Student Chapter of the American Nuclear Society's proposal to host the Spring 2018 ANS Student Conference in Gainesville, Florida. I am confident they will create a forum for bringing together the best and brightest young minds in nuclear science and technology.

The University of Florida has a supportive and inclusive campus culture that embraces and celebrates the multifaceted nature of the UF community. Our student's plan to host the 2018 ANS Student Conference with the theme of Nuclear Equality is a perfect example of the principles instilled within our culture. The Herbert Wertheim College of Engineering supports our students in this endeavor and we look forward to the opportunity to host the 2018 ANS student conference.

Sincerely,

Cammy R Abernathy

Cammy R. Abernathy
Dean

UF UNIVERSITY of FLORIDA

College of Engineering
Department of Materials Science & Engineering
Nuclear Engineering Program

100 Rhines Hall
PO Box 116400
Gainesville, FL 32611-6400
352-846-3300
352-392-7219 Fax
www.mse.ufl.edu

October 3, 2016

Dear American Nuclear Society Student Sections Committee:

It is my pleasure to write this letter in strong support for the University of Florida ANS Student Chapter to host the 2018 ANS Student Conference here in Gainesville, FL. We believe the University of Florida is a great place for students to be able to share research and network with students, researchers, industry scientists and engineers, and government officials, and the University of Florida will be proud to host the student conference.

The University of Florida has a long and proud history with nuclear science and engineering. We have had a nuclear engineering degree program for nearly 60 years. We currently have over 100 undergraduate students, and 40 graduate students in the nuclear engineering program. Our program is growing as well, as we have hired two new faculty to start in 2017 (a 33% increase), along with a 14% growth in student enrollment at the start of the Fall 2016 semester. Nuclear Engineering is also strongly supported by the College of Engineering and University of Florida community. After all, I am a trained nuclear engineer, and I was asked to serve as department chair for Materials Science and Engineering while still serving as Director of the Nuclear Engineering Program. Our research and education space is growing as well, in part through a recent $50M donation to transform engineering education in the Herbert Wertheim College of Engineering. Hosting the 2018 ANS Student Conference helps support this transformation. A recent renovation to the Reitz Union on the UF campus will enable the students to host a conference using premier, state-of-the-art conference meeting space and equipment.

I fully endorse the University of Florida ANS Student Chapter's application. As part of our support for the conference, we will commit $10,000 in sponsorship funds, as well as providing a line of credit for the student chapter to assist with organizing the conference here in Gainesville. Should you have any questions, regarding Josephine's application, please do not hesitate to contact me.

Sincerely,

James E. Baciak
Interim Chair, Materials Science and Engineering
Director, Nuclear Engineering Program
University of Florida
Materials Science and Engineering
100 Rhines Hall
Gainesville, FL 32611-6400
(352) 273-2131
jebaciak@mse.ufl.edu

UF UNIVERSITY of FLORIDA

Herbert Wertheim College of Engineering
Nuclear Engineering

100 Rhines Hall
Gainesville, FL 32611
(352) 294-2106
www.nuceng.ufl.edu

Sep 17, 2016

To the ANS Student Conference Selection Committee,

As Director of the University of Florida Nuclear Engineering Program, I strongly support our ANS student chapter's bid to host the 2018 ANS Student Conference.

In recent years, the University of Florida ANS Student Section has demonstrated that they are among the best candidates to host a student conference. This is evident after receiving the 2014 Glasstone award, and runner-up in both 2015 and 2016. This opportunity comes at an excellent time for our student section and the Nuclear Engineering Program. Our talented faculty continues to grow and our areas of research are expanding, with two new faculty members slated to join this coming year. The students are dedicated to furthering our mission and are excited to play a role in making the University of Florida a leader in nuclear science and technology.

Our students and conference planning committee will demonstrate to the academic and professional communities that the University of Florida Nuclear Engineering Program is on the forefront for producing engineers, scientists, and leaders. It's for these reasons that I enthusiastically endorse their proposal to host the 2018 ANS Student Conference.

Sincerely,

Kelly Jordan, Ph.D.
Associate Chair for Nuclear Engineering
Florida Power and Light Professor of Nuclear Engineering
Director, University of Florida Training Reactor

UF UNIVERSITY of FLORIDA

Herbert Wertheim College of Engineering
Nuclear Engineering program

174 Rhines
PO Box 116400
Gainesville FL 32611-6400
352-294-2177
352 392 7219 Fax

September 23, 2016

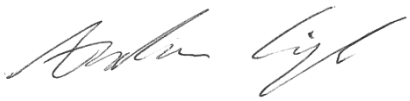
To whom it may concern:

I take great pleasure in strongly supporting the application of the University of Florida American Nuclear Society Student Section (UF-ANS) for the ANS Student Conference. As a faculty advisor I have had the pleasure of observing and interacting with the creativity, drive and energy of the officers and members of the UF-ANS. I am very impressed with the vitality of the UF-ANS student section and its members in particular. This has really become apparent with last year's application for the student conference that the chapter put together. And it has been my great pleasure to observe that the amount of participation to this year's application has increased manifold with a large buy-in all the way from sophomores to graduate student members.

The chapter is a very active one with a large number of outreach and activity events as detailed in the last couple of Glasstone award applications. They have taken steps towards modernizing their fundraising, and taken great initiative in setting up an UF-ANS online store for memorabilia. The fundraising has enables a vibrant program with participation from all levels of students really helping to create a cohesive connection between students that otherwise have little overlap between years and study-levels.

It is therefore with great confidence I am writing this letter of support as the current UF-ANS faculty advisor for the local student chapter to be considered for being awarded to host and arrange the student conference in 2018. I hope the student conference selection committee recognizes the outstanding work and desire of this organization when they consider candidates for the ANS student conference.

Sincerely yours,



Andreas Enqvist, Ph.D.
Assistant Professor, Faculty Advisor UF-ANS
enqvist@mse.ufl.edu
352 294 2177

UF UNIVERSITY of FLORIDA

Herbert Wertheim College of Engineering
Department of Materials Science & Engineering
Nuclear Engineering Program

100 Rhines Hall
PO Box 116400
Gainesville, FL 32611-6400
352-846-3300
352-392-7219 Fax
yongyang@ufl.edu

Dear American Nuclear Society Student Conference Selection Committee,

As a faculty member of the University of Florida, and Vice President of the ANS Materials Science and Technology Division, I am writing this letter in support of the University of Florida's ANS student chapter, and their bid to host the 2018 ANS Student Conference.

As part of the University of Florida's ongoing efforts to expand and strengthen our engineering programs, we as faculty are encouraged to support student initiatives and programs that provide educational or professional opportunities to up-and-coming scholars and leaders. After discussing the university chapter's efforts, as well as being aware of what they have achieved so far (in particular, the Glasstone award in 2014 as well as being runner-ups for said award in 2015 and 2016), I am giving a full support to their proposal. I believe our student body is dedicated and passionate about hosting this conference, and that their vested interest in making this conference an outright success is very real. With the amount of work already put forward by the planning committee, I have no doubt that we will be able to provide a unique and professional experience to conference attendees. Our students will also be given a profound opportunity to test their skills in running a true professional event, a task that they are more than prepared for given what I have seen.

The University of Florida is more than ready to support and prepare our students in their real-world endeavors, and it is for this reason that I wholeheartedly endorse this proposal for the 2018 ANS Student Conference.

Sincerely,

Yong Yang, PhD
Associate Professor
Nuclear Engineering Program
Material Sciences & Engineering
University of Florida
yongyang@ufl.edu

American Nuclear Society
Florida Section

September 29, 2016

Dear Student Sections Committee,

As the ANS Northern Florida Local Section Chair and faculty member of the University of Florida I am pleased to support of the University of Florida ANS student chapter's bid to host the 2018 ANS Student Conference.

The local section has worked closely with the student section on various Nuclear outreach activities over the years. In addition, we have supported the student section financially and have seen that money put to good use. As the student section has grown so has the number of activities and community outreach done in the Gainesville and the surrounding area. Hosting a conference is the next step for a student section this active. I believe the ANS UF student section has the enthusiasm and leadership to put on a terrific conference. I am particularly pleased with the selection of the theme "Nuclear Equality in policy, energy access, and the engineering community", which resonates strongly with the Local Section.

For these reasons the ANS Local Section strongly endorses the University of Florida ANS student section's proposal to host the 2018 ANS Student Conference.

Sincerely,

Sedat Goluoglu

Sedat Goluoglu
Chair, ANS Florida Local Section
Professor, Nuclear Engineering Program
University of Florida
goluoglu@mse.ufl.edu
352-294-1690
549 Gale Lemerand Dr,
Gainesville, FL 32611

UF UNIVERSITY of FLORIDA

Office of Information Technology
Research Computing

New Physics Building
2001 Museum Road
Gainesville, FL 32611-8435
352-392-6980

September 28, 2016

Dear American Nuclear Society Student Conference Selection Committee,

As Director of the UFIT Research Computing, I am express my support of the UF ANS student chapter proposal to host the 2018 ANS Student Conference.

The UFIT Research Computing is committed to provide a stable and powerful infrastructure for scientific computing to support university research and educational interests. We host and enable a wide variety of research tools and protocols on the HiPerGator computer system, with the overarching goal of supporting educational and research initiatives as well as university-sponsored programs. We also provide regular hands-on training sessions to allow beginners and experts alike the chance to broaden their skills to make most effective use of high-performance computer systems.

After being informed of the ANS student chapter's efforts and their plans related to the conference, I am confident that we will be able to help the conference planning and execution by providing our unique resources and expertise. Our staff will be working closely with the planning committee to establish the appropriate infrastructure and services needed for a successful conference, as well as making sure that any needs are met appropriately. In addition, I support the efforts and strategies that would be implemented by the committee should this proposal be chosen as the winner, and believe it would be a great benefit to both the students and the University of Florida.

I wish you success in getting your proposal funded.

Erik Deumens
Director
UF Research Computing

College of Engineering
Nuclear and Radiological Engineering Program
Department of Material Science and Engineering

202 Nuclear Sciences Center
P.O. Box 118300
Gainesville, Florida 32611-8300
Tel: (352) 392-1427
tulenko@ufl.edu
October 1, 2016

American Nuclear Society
Student Sections Committee

Ladies and Gentlemen:

I write in connection with the University of Florida Student Conference application. I have examined their plans and know the proposed team very well. I wish to offer my support to their proposal to host the 2018 ANS Student Conference, for the reasons outlined below.

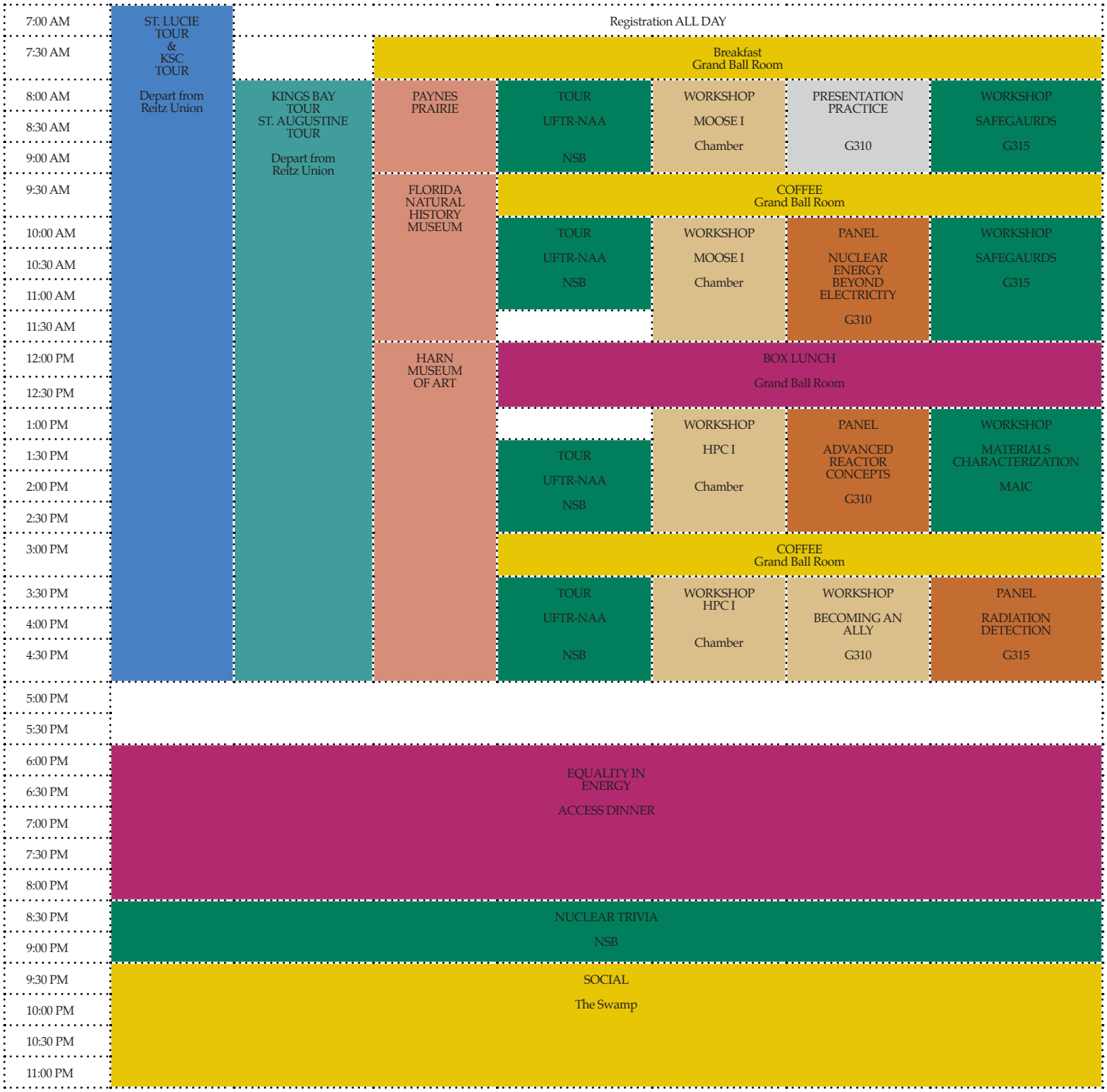
I have found our ANS Student Section to be extremely well motivated with excellent organizing skills. The UF Student Section last hosted the Student Conference in 2009 and the current time is optimum for the section to host another meeting. The students' capabilities to host this conference is best demonstrated by the University of Florida Student section winning the Samuel Glasstone award in 2014 and receiving honorable mention (Second Place) in 2015 and 2016. The student section is willing and able to host an outstanding meeting. With the enthusiasm our student section has demonstrates to host the meeting, I know that the University of Florida will be an excellent selection to host the 2018 American Nuclear Society Student Conference.

Sincerely,

James S. Tulenko
Emeritus Professor of Nuclear Engineering,
University of Florida
ANS Fellow
ANS Past President

APPENDIX B - GRAPHICAL SCHEDULE

THURSDAY



NSB - Nuclear Sciences Building
MAIC - Major Analytical Instrumentation Center
**Note, for exact start times of each event please refer to the conference itinerary.*

FRIDAY

7:00 AM	YOGA SW Rec				
7:30 AM		COFFEE BREAK Grand Ball Room Hall			
8:00 AM	TECHNICAL SESSIONS Room 2315 Room 2320 Room 2325 Room 2335 Room 2350 (End 11:20)	WORKSHOP MOOSE II Chamber	CAREER FAIR 2365	PANEL ANS: IN THE CURRENT POLITICAL REALM - 2355	PRESENTATION PRACTICE G310
8:30 AM					
9:00 AM					
9:30 AM			COFFEE BREAK	Grand Ball Room Hall	
10:00 AM		WORKSHOP MOOSE II Chamber	CAREER FAIR 2365	PANEL CREATING AN EQUAL PLAYING FIELD FOR NUCLEAR ENERGY - 2355	
10:30 AM					
11:00 AM					
11:30 AM	SSC Meeting Chamber	Lunch & Learn Grand Ball Room			
12:00 PM					
12:30 PM					
1:00 PM	TECHNICAL SESSIONS Room 2315 Room 2320 Room 2325 Room 2335 Room 2350	PANEL PLASMA & FUSION Chamber	CAREER FAIR 2365	WORKSHOP EQUALITY WORKSHOP SERIES 2355	
1:30 PM					
2:00 PM					
2:30 PM					
3:00 PM		COFFEE BREAK Grand Ball Room Hall			
3:30 PM		PANEL BEYOND THE MOUNTAIN Chamber	CAREER FAIR 2365	WORKSHOP ADVANCED FUELS & MATERIALS OF UF NSB	
4:00 PM					
4:30 PM					
5:00 PM					
5:30 PM					
6:00 PM	DIVISIONS OF ANS POLICY DINNER Champions Club				
6:30 PM					
7:00 PM					
7:30 PM					
8:00 PM					
8:30 PM	NETWORKING HOUR Champions Club				
9:00 PM					
9:30 PM	SOCIAL The Wooly				
10:00 PM				LGBTQ Social University Club	
10:30 PM					
11:00 PM					

SATURDAY

7:00 AM	5K FUN RUN Lake Alice			
7:30 AM		COFFEE BREAK Grand Ball Room Hall		
8:00 AM	TECHNICAL SESSIONS Room 2315 Room 2320 Room 2325 Room 2335 Room 2350 (End 11:20)	PANEL HEALTH PHYSICS & RADIATION G310	CAREER FAIR 2365	PANEL STEM OUTREACH IN UNDERREPRESENTED COMMUNITIES Chamber
8:30 AM				
9:00 AM				
9:30 AM		COFFEE BREAK Grand Ball Room Hall		
10:00 AM		PANEL ADVANCED MODELING & SIMULATION G310	CAREER FAIR 2365	PANEL Finding X Chamber
10:30 AM				
11:00 AM				
11:30 AM	Lunch & Learn Grand Ball Room			
12:00 PM				
12:30 PM				
1:00 PM	TECHNICAL SESSIONS Room 2315 Room 2320 Room 2325 Room 2335 Room 2350	PANEL PLASMA & FUSION Chamber	POSTER SESSION 2355	PANEL PROVIDING ENERGY FOR REMOTE AMERICA Chamber
1:30 PM				
2:00 PM				
2:30 PM				
3:00 PM		COFFEE BREAK Grand Ball Room Hall		
3:30 PM		PANEL BEYOND THE MOUNTAIN Chamber	POSTER SESSION 2355	POWER THE WORLD DESIGN CONTEST Chamber
4:00 PM				
4:30 PM				
5:00 PM				
5:30 PM				
6:00 PM	EQUALITY DINNER Grand Ball Club			
6:30 PM				
7:00 PM				
7:30 PM				
8:00 PM				
8:30 PM	GAME NIGHT Reitz Game Room			
9:00 PM				
9:30 PM	SOCIAL The Oak			
10:00 PM				
10:30 PM				
11:00 PM				

SUNDAY

7:00 AM		Travel Assistance to Airports as needed. Majority of travel should be handled by busing services (ORD, JAX, TPA) and hotel shuttle service to GNV however, a team of conference staffers will be available to fill in the gaps. Service will be only when absolutely necessary. Our conference staff will work to ensure attendees are aware of bussing availability and times of pick up. Questions regarding transportation and be available via the conference app.
7:30 AM		
8:00 AM	TOUR UFTR-NAA NSB	
8:30 AM		
9:00 AM		
9:30 AM		
10:00 AM	TOUR UFTR-NAA NSB	
10:30 AM		
11:00 AM		
11:30 AM		
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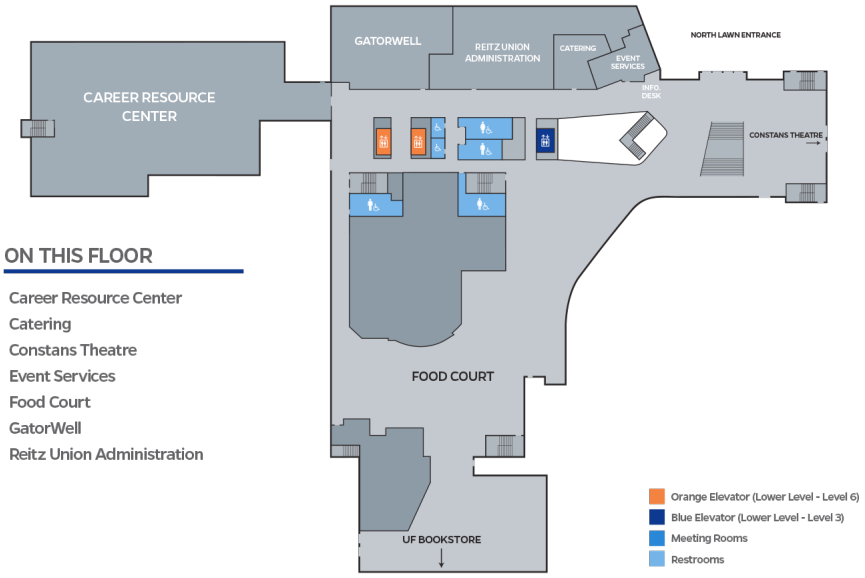
10:00 PM		
10:30 PM		
11:00 PM		

APPENDIX C - REITZ UNION

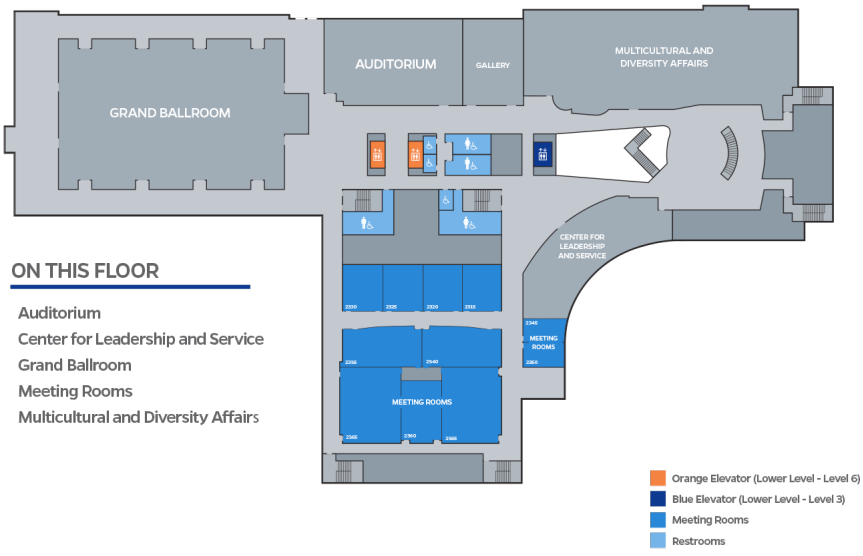
LEVEL 1



ON THIS FLOOR

- Career Resource Center
- Catering
- Constans Theatre
- Event Services
- Food Court
- GatorWell
- Reitz Union Administration

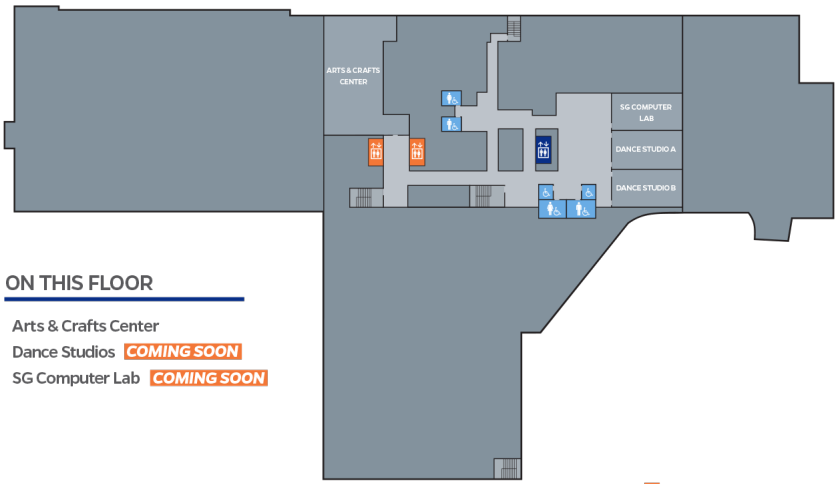
LEVEL 2



ON THIS FLOOR

- Auditorium
- Center for Leadership and Service
- Grand Ballroom
- Meeting Rooms
- Multicultural and Diversity Affairs

LOWER LEVEL



ON THIS FLOOR

Arts & Crafts Center
Dance Studios **COMING SOON**
SG Computer Lab **COMING SOON**

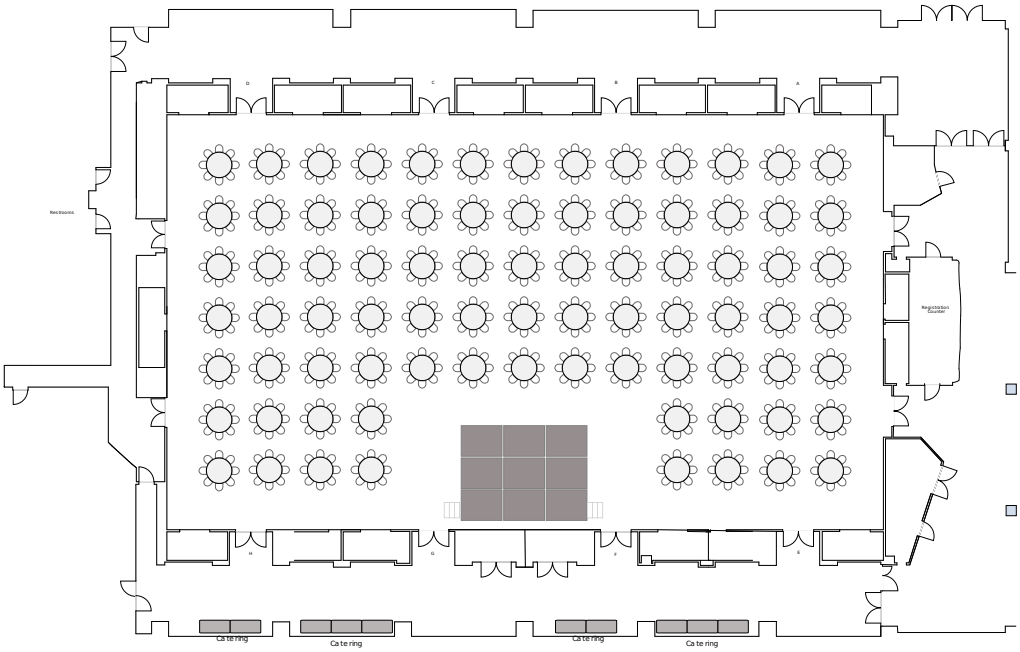
Orange Elevator (Lower Level - Level 6)
Blue Elevator (Lower Level - Level 3)
Meeting Rooms
Restrooms

GROUND LEVEL

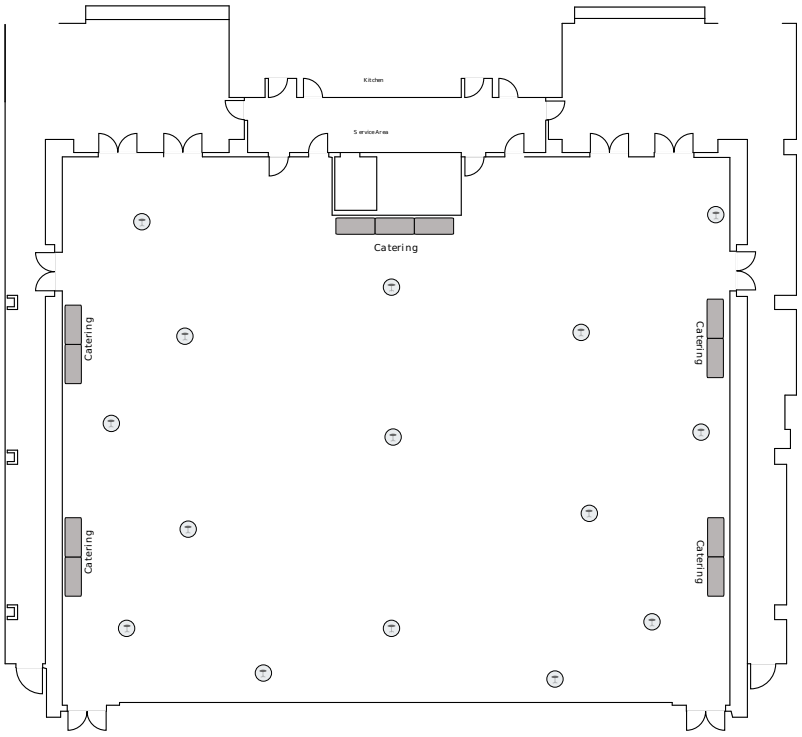
ON THIS FLOOR

Barbershop
Chamber
Dining
Game Room
Kaplan Test Prep
Meeting Rooms
Orange & Brew
Reitz Union Hotel
SG Bike Repair
SG Computer Lab
USPS Mailbox
Wells Fargo

Orange Elevator (Lower Level - Level 6)
Blue Elevator (Lower Level - Level 3)
Meeting Rooms
Restrooms

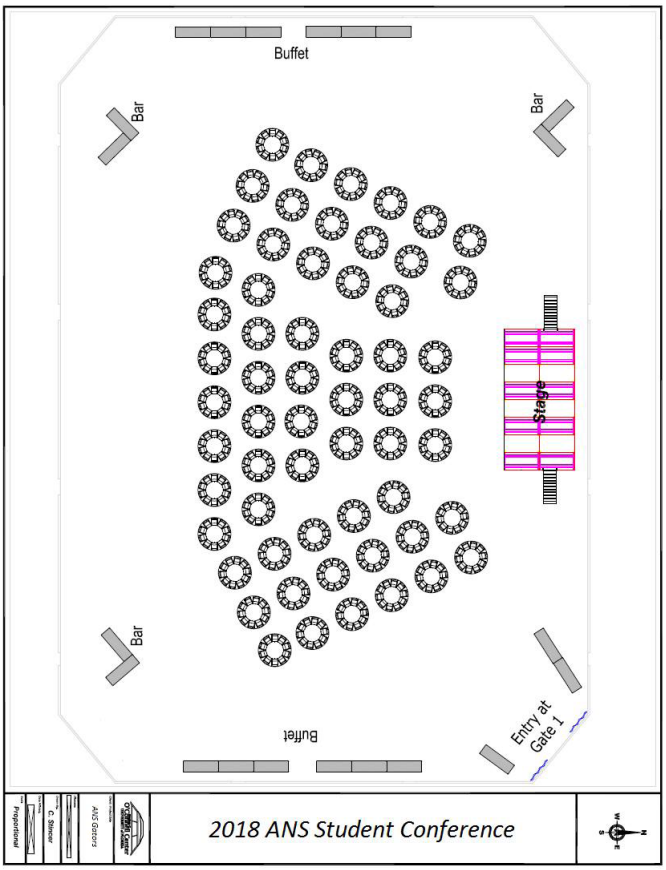


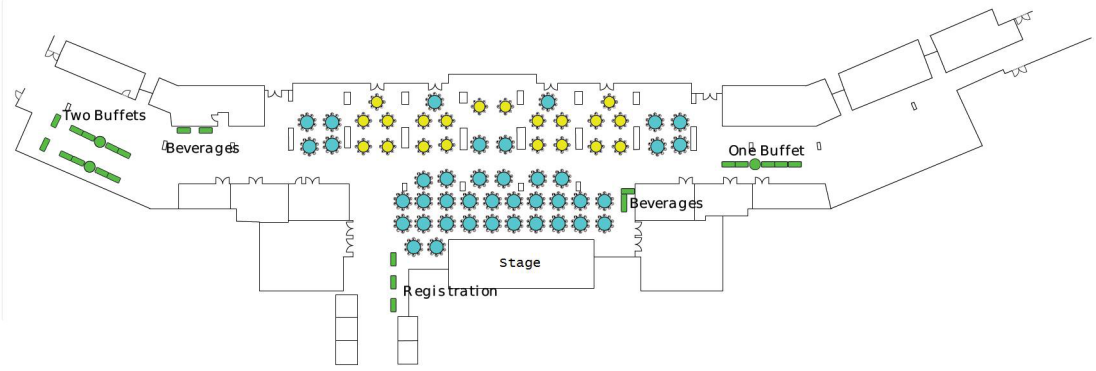
GRAND BALLROOM BANQUET SEATING ARRANGEMENT



RION BALL ROOM COCKTAIL HOUR ARRANGEMENT

APPENDIX D - CHAMPION'S CLUB & O'CONNELL CENTER





APPENDIX E - MEETING ROOMS

Room Number	Purpose	Set-Up	Available Seating	Expected People
Reitz Union				
Grand Ballroom	Lunch/Coffee Break/Dinner	Banquet	648	550
Rion Ballroom	Lunch/Coffee Break/Dinner	Banquet	288	300
Chamber	Workshop/Panel	Classroom	120	75
G310	Panel	Theatre	84	60
G315	Workshop	Classroom	70	15
G320	Flex	Theatre	40	
G325	Flex	Theatre	72	
2315	Technical Session	Theatre	40	30
2320	Technical Session	Theatre	40	30
2325	Technical Session	Theatre	40	30
2330	Technical Session	Theatre	40	30
2335	Technical Session	Theatre	99	50
2340	Flex	Conference	36	
2345	Flex	Conference	16	
2350	Flex	Conference	16	
2355	Panel	Theatre	145	70
Rion Ball Room	Poster Session	Tables	145	100
2360	Technical Session	Theatre	60	30
2365	Career Fair	Tables	145	130
Nuclear Building				
227	Trivia	Classroom	47	35
Champions Club	Dinner	Banquet	600	550

APPENDIX F - UNION RESERVATION

Event Services
J. Wayne Reitz Union - University of Florida
P.O. Box 118505
Gainesville FL 32611-8505
(352) 392-1645 / (352) 392-5100

JWRU Event Services Confirmation

Group

Patrick Moo
American Nuclear Society (Gator Chapter)
3500 SW 19th Avenue Apt 228
Gainesville, FL 32607

Reservation: 72257

Event Name:	American Nuclear Society Student Conference 2018
Status:	Confirmed
Phone:	386-785-3726
Email Address:	pmoo@ufl.edu
Event Type:	Meeting
Billing Reference:	SGF-Tax Exempt
Event Coordinator:	Samantha Shane

Bookings / Details	Quantity	Price	Amount

IMPORTANT POLICY INFORMATION - PLEASE READ CAREFULLY

RESERVATION DETAILS ARE LISTED BELOW.

Thank you for choosing the J. Wayne Reitz Union (JWRU) for your upcoming event. As the coordinator of this event it is your responsibility to familiarize yourself with the Terms and Conditions for using the facilities at the JWRU and ensure that your guests abide by these guidelines. Failure to follow these conditions may result in additional charges to your group and/or suspending the groups' reservation privileges. The most critical information is listed below. A complete listing of our terms and conditions may be found on our web site at http://www.union.ufl.edu/eventservices or can be obtained from the Event Services Office.

[CANCELLATIONS AND NO-SHOWS]

Cancellations must be made by submitting a cancellation form via the Event Services website http://www.union.ufl.edu/EventServices/Forms/CancellationForm or by accessing the reservation with the user ID and password used to request the reservation through the online reservation system at http://virtualems.union.ufl.edu/. Reservable spaces are monitored for attendance and use, and all no shows are recorded by the Event Services staff. Repeated no shows and/or late cancellations may result in the suspension of reservation privileges for JWRU facilities.

--- MEETING ROOMS/AUDITORIUM/ARREDONDO CAFE - must be cancelled by 12:00 noon the day before the event (12:00 noon on Friday for events occurring Saturday, Sunday, or Monday) to avoid possible financial penalties or suspension.

--- BALLROOMS - must be cancelled at least two weeks in advance of the date of the event to avoid financial penalties or suspension.

The complete cancellation policy can be found in the Terms and Conditions document at https://www.union.ufl.edu/EventServices/Policies/TermsConditions.

[RESERVATION TIMES/ROOM ASSIGNMENTS]

Groups are allowed access to their reserved space at the times listed on their confirmation. If your group needs additional time to decorate or set up for your event please notify the Event Services Office to ensure that the room will be available at that time. The JWRU reserves the right to assign or reassign rooms, as needed, based on the most efficient use of space for maximum benefit to the University community.

Event Services Reservation: 72257 Confirmed

Bookings / Details	Quantity	Price	Amount

>>> RATES AND TAXES ARE SUBJECT TO CHANGE WITHOUT NOTICE <<<

Setup Info Due to Samantha (Due Date: 3/15/2018)

Please contact Samantha Shane at (352) 392-4756 or samanthas@union.ufl.edu by this date to discuss the layout of your room.

Cancellation Deadline (Due Date: 3/22/2018)

Notice of cancellation must be received by this date to avoid cancellation fees.

Thursday, April 05, 2018

7:00 AM - 10:00 PM American Nuclear Society Student Conference 2018 (Confirmed) Grand Ballroom

Diagram for 650			
Room Charge:	1	$200.00	$200.00
Equipment:			
Catering through Classic Fare	1		
Table - 60" Round	1		
AV- Equipment:			
Floor Podium & Microphone - Grand Ballroom	1		
Computer Projector - Grand Salon F	1		

Clients must provide all laptops for use with JWRU projectors. The JWRU provides only VGA video cables, adapters, and connections. HDMI video output is currently NOT supported and HDMI adapters are NOT available.

8:00 AM - 5:00 PM American Nuclear Society Student Conference 2018 (Confirmed) Chamber

AV- Equipment:

Ceiling Mounted Projector 1

Client must provide all laptops for use with JWRU projectors

8:00 AM - 5:00 PM American Nuclear Society Student Conference 2018 (Confirmed) Room G310

AV- Equipment:

Ceiling Mounted Projector 1

Client must provide all laptops for use with JWRU projectors

8:00 AM - 5:00 PM American Nuclear Society Student Conference 2018 (Confirmed) Room G315

8:00 AM - 5:00 PM American Nuclear Society Student Conference 2018 (Confirmed) Room G320

AV- Equipment:

Ceiling Mounted Projector 1

Client must provide all laptops for use with JWRU projectors

8:00 AM - 5:00 PM American Nuclear Society Student Conference 2018 (Confirmed) Room G325

8:00 AM - 5:00 PM American Nuclear Society Student Conference 2018 (Confirmed) Room 2315

AV- Equipment:

Computer Projector - Portable 1

Clients must provide all laptops for use with JWRU projectors.

8:00 AM - 5:00 PM American Nuclear Society Student Conference 2018 (Confirmed) Room 2320

AV- Equipment:

Computer Projector - Portable 1

Clients must provide all laptops for use with JWRU projectors.

8:00 AM - 5:00 PM American Nuclear Society Student Conference 2018 (Confirmed) Room 2325

AV- Equipment:

Computer Projector - Portable 1

Clients must provide all laptops for use with JWRU projectors.

8:00 AM - 5:00 PM American Nuclear Society Student Conference 2018 (Confirmed) Room 2330

AV- Equipment:

Computer Projector - Portable 1

Clients must provide all laptops for use with JWRU projectors.

Event Services Reservation: 72257 Confirmed

Bookings / Details	Quantity	Price	Amount
8:00 AM - 5:00 PM American Nuclear Society Student Conference 2018 (Confirmed) Room 2335			
AV- Equipment:			
Computer Projector - Portable	1		
Clients must provide all laptops for use with JWRU projectors.			
8:00 AM - 5:00 PM American Nuclear Society Student Conference 2018 (Confirmed) Room 2340			
Additional 20 chairs around perimeter of room			
The furniture in this room cannot be removed or reconfigured.			
AV- Equipment:			
Ceiling Mounted Projector	1		
Client must provide all laptops for use with JWRU projectors			
8:00 AM - 5:00 PM American Nuclear Society Student Conference 2018 (Confirmed) Room 2345			
Additional 6 chairs around perimeter of room			
The furniture in this room cannot be removed or reconfigured.			
AV- Equipment:			
Flat Panel Display	1		
Clients must provide all laptops for use with JWRU displays.			
8:00 AM - 5:00 PM American Nuclear Society Student Conference 2018 (Confirmed) Room 2350			
Additional 8 chairs around perimeter of room			
The furniture in this room cannot be removed or reconfigured.			
AV- Equipment:			
Flat Panel Display	1		
Clients must provide all laptops for use with JWRU displays.			
8:00 AM - 5:00 PM American Nuclear Society Student Conference 2018 (Confirmed) Room 2360			
8:00 AM - 5:00 PM American Nuclear Society Student Conference 2018 (Confirmed) Room 2365			
AV- Equipment:			
Ceiling Mounted Projector	1		
Client must provide all laptops for use with JWRU projectors			
Friday, April 06, 2018			
7:00 AM - 10:00 PM American Nuclear Society Student Conference 2018 (Confirmed) Rion Ballroom			
Diagram for 500			
Room Charge:	1	$175.00	$175.00
Equipment:			
Catering through Classic Fare	1		
Table - 6' x 30"	1		
amount TBD			
8:00 AM - 5:00 PM American Nuclear Society Student Conference 2018 (Confirmed) Chamber			
AV- Equipment:			
Ceiling Mounted Projector	1		
Client must provide all laptops for use with JWRU projectors			
8:00 AM - 5:00 PM American Nuclear Society Student Conference 2018 (Confirmed) Room G310			
AV- Equipment:			
Ceiling Mounted Projector	1		
Client must provide all laptops for use with JWRU projectors			
8:00 AM - 5:00 PM American Nuclear Society Student Conference 2018 (Confirmed) Room G315			
8:00 AM - 5:00 PM American Nuclear Society Student Conference 2018 (Confirmed) Room G320			
AV- Equipment:			
Ceiling Mounted Projector	1		
Client must provide all laptops for use with JWRU projectors			
8:00 AM - 5:00 PM American Nuclear Society Student Conference 2018 (Confirmed) Room G325			

Event Services Reservation: 72257 Confirmed

Bookings / Details	Quantity	Price	Amount
8:00 AM - 5:00 PM American Nuclear Society Student Conference 2018 (Confirmed) Room 2315			
AV- Equipment:			
Computer Projector - Portable	1		
Clients must provide all laptops for use with JWRU projectors.			
8:00 AM - 5:00 PM American Nuclear Society Student Conference 2018 (Confirmed) Room 2320			
AV- Equipment:			
Computer Projector - Portable	1		
Clients must provide all laptops for use with JWRU projectors.			
8:00 AM - 5:00 PM American Nuclear Society Student Conference 2018 (Confirmed) Room 2325			
AV- Equipment:			
Computer Projector - Portable	1		
Clients must provide all laptops for use with JWRU projectors.			
8:00 AM - 5:00 PM American Nuclear Society Student Conference 2018 (Confirmed) Room 2330			
AV- Equipment:			
Computer Projector - Portable	1		
Clients must provide all laptops for use with JWRU projectors.			
8:00 AM - 5:00 PM American Nuclear Society Student Conference 2018 (Confirmed) Room 2335			
AV- Equipment:			
Computer Projector - Portable	1		
Clients must provide all laptops for use with JWRU projectors.			
8:00 AM - 5:00 PM American Nuclear Society Student Conference 2018 (Confirmed) Room 2340			
Additional 20 chairs around perimeter of room			
The furniture in this room cannot be removed or reconfigured.			
AV- Equipment:			
Ceiling Mounted Projector	1		
Client must provide all laptops for use with JWRU projectors			
8:00 AM - 5:00 PM American Nuclear Society Student Conference 2018 (Confirmed) Room 2345			
Additional 6 chairs around perimeter of room			
The furniture in this room cannot be removed or reconfigured.			
AV- Equipment:			
Flat Panel Display	1		
Clients must provide all laptops for use with JWRU displays.			
8:00 AM - 5:00 PM American Nuclear Society Student Conference 2018 (Confirmed) Room 2350			
Additional 8 chairs around perimeter of room			
The furniture in this room cannot be removed or reconfigured.			
AV- Equipment:			
Flat Panel Display	1		
Clients must provide all laptops for use with JWRU displays.			
8:00 AM - 5:00 PM American Nuclear Society Student Conference 2018 (Confirmed) Room 2360			
8:00 AM - 5:00 PM American Nuclear Society Student Conference 2018 (Confirmed) Room 2365			
AV- Equipment:			
Ceiling Mounted Projector	1		
Client must provide all laptops for use with JWRU projectors			
Saturday, April 07, 2018			
7:00 AM - 11:00 PM American Nuclear Society Student Conference 2018 (Confirmed) Grand Ballroom			
Diagram for 650			
Room Charge:	1	$200.00	$200.00
Equipment:			
Catering through Classic Fare	1		

Event Services Reservation: 72257 Confirmed

Bookings / Details	Quantity	Price	Amount
Table - 60" Round	1		
AV- Equipment:			
Floor Podium & Microphone - Grand Ballroom	1		
Computer Projector - Grand Salon F	1		
Clients must provide all laptops for use with JWRU projectors. The JWRU provides only VGA video cables, adapters, and connections. HDMI video output is currently NOT supported and HDMI adapters are NOT available.			
8:00 AM - 5:00 PM American Nuclear Society Student Conference 2018 (Confirmed) Chamber			
AV- Equipment:			
Ceiling Mounted Projector	1		
Client must provide all laptops for use with JWRU projectors			
8:00 AM - 5:00 PM American Nuclear Society Student Conference 2018 (Confirmed) Room G310			
AV- Equipment:			
Ceiling Mounted Projector	1		
Client must provide all laptops for use with JWRU projectors			
8:00 AM - 5:00 PM American Nuclear Society Student Conference 2018 (Confirmed) Room G315			
8:00 AM - 5:00 PM American Nuclear Society Student Conference 2018 (Confirmed) Room G320			
AV- Equipment:			
Ceiling Mounted Projector	1		
Client must provide all laptops for use with JWRU projectors			
8:00 AM - 5:00 PM American Nuclear Society Student Conference 2018 (Confirmed) Room G325			
8:00 AM - 5:00 PM American Nuclear Society Student Conference 2018 (Confirmed) Room 2315			
AV- Equipment:			
Computer Projector - Portable	1		
Clients must provide all laptops for use with JWRU projectors.			
8:00 AM - 5:00 PM American Nuclear Society Student Conference 2018 (Confirmed) Room 2320			
AV- Equipment:			
Computer Projector - Portable	1		
Clients must provide all laptops for use with JWRU projectors.			
8:00 AM - 5:00 PM American Nuclear Society Student Conference 2018 (Confirmed) Room 2325			
AV- Equipment:			
Computer Projector - Portable	1		
Clients must provide all laptops for use with JWRU projectors.			
8:00 AM - 5:00 PM American Nuclear Society Student Conference 2018 (Confirmed) Room 2330			
AV- Equipment:			
Computer Projector - Portable	1		
Clients must provide all laptops for use with JWRU projectors.			
8:00 AM - 5:00 PM American Nuclear Society Student Conference 2018 (Confirmed) Room 2335			
AV- Equipment:			
Computer Projector - Portable	1		
Clients must provide all laptops for use with JWRU projectors.			
8:00 AM - 5:00 PM American Nuclear Society Student Conference 2018 (Confirmed) Room 2340			
Additional 20 chairs around perimeter of room			
The furniture in this room cannot be removed or reconfigured.			
AV- Equipment:			
Ceiling Mounted Projector	1		
Client must provide all laptops for use with JWRU projectors			
8:00 AM - 5:00 PM American Nuclear Society Student Conference 2018 (Confirmed) Room 2345			
Additional 6 chairs around perimeter of room			
The furniture in this room cannot be removed or reconfigured.			
AV- Equipment:			

Event Services Reservation: 72257 Confirmed

Bookings / Details	Quantity	Price	Amount
Flat Panel Display	1		
Clients must provide all laptops for use with JWRU displays.			
8:00 AM - 5:00 PM American Nuclear Society Student Conference 2018 (Confirmed) Room 2350			
Additional 8 chairs around perimeter of room			
The furniture in this room cannot be removed or reconfigured.			
AV- Equipment:			
Flat Panel Display	1		
Clients must provide all laptops for use with JWRU displays.			
8:00 AM - 5:00 PM American Nuclear Society Student Conference 2018 (Confirmed) Room 2360			
8:00 AM - 5:00 PM American Nuclear Society Student Conference 2018 (Confirmed) Room 2365			
AV- Equipment:			
Ceiling Mounted Projector	1		
Client must provide all laptops for use with JWRU projectors			

Subtotal	$575.00
Tax Exempt (0%)	
Grand Total	$575.00

At UF, Every Gator Counts. We look out for each other. Take a minute to think through your safe way home. Talk to your colleagues and make sure every Gator has a plan for getting home safely. And remember, in an emergency, dial 9-1-1. Go Gators!

APPENDIX G - SCHEDULE OF CONFLICTS

School	Spring Break	Finals	Campus Events/Holidays
University of Florida	March 4 -10	May 1 - 5	
Texas A&M	March 11 - 17	May 7 - 12	
Penn State	March 4 - 10	April 30 - May 4	
MIT	March 25 - 31	May 21 - 15	April 16,17
UNLV	March 11 - 17	May 6 - 11	
Georgia Tech	March 11 - 17	April 18 - 26	
Michigan	February 24 - March 5	April 29 - 26	28-May
Oregon State University	March 23 - 31	June 9 - 14	
RPI	March 14 - 18	May 16 - 20	
Ohio State	March 11 - 15	Apr 24 - 30	
UC Berekely	March 26 - 30	May 7 - 11	Feb 19, May 28
UC Irvine	March 23 - 28	Mar 17 - 23, June 9 - 14	Feb 19, March 30, May 28
United States Naval Academy	March 11 - 17	April 2 - 6	19-Feb
University of Maryland	March 18 - 24	May 12-18	
University of Massachusetts Lowell	March 12 - 18	May 1 - 6	April 17th
Missouri University of Science and Technology	March 25 - April 2	May 7 - 11	
University of Missouri-Columbia	March 24 - April 2	May 7 - 11	
University of Nevada - Reno	March 11 - 17	April 27 - May 3	
University of New Mexico	March 11 - 17		
City College of New York	March 30 - April 8	May 16 - 23	May 28 Memorial Day
Excelsior College	March 11 - 17		
United States Military Academy (West Point)	March 9 - 18	May 14 - 18	April 7 - 8 Sandhurst
North Carolina State University	March 4 -10	April 30 - May 4	April 13 Spring Holiday
Air Force Institute of Technology	March 22 - 26	June 4 - 7	May 28 Memorial day
University of Pittsburgh	March 4 - 11	April 23 - 28	
Clemson University	March 19 - 23	April 30 - May 4	
South Carolina State University	March 11 - 17	May 2 - 10	
University of South Carolina	March 11 - 17	May 2 - 9	
Chattanooga State Community College		April 27 - May 4	
University of Tennessee	March 11 - 17	May 1 - 8	
Vanderbilt University	March 4 -10	April 24 - May 3	
Texas A&M University – Kingsville	March 11 - 17	May 4 - 10	

School	Spring Break	Finals	Campus Holidays
University of Texas at Arlington	March 11 - 17	May 5 - 11	
University of Texas at Austin	March 11 - 17	May 9 - 15	
Brigham Young University	March 11 - 17	April 20 - 25	February 19
University of Utah	March 18 - 25	April 26 - May 2	February 19
Utah State University	March 4 -10	April 30 - May 4	February 19
Virginia Commonwealth University	March 4 -10	May 3 - 11	
Virginia Polytechnic Institute and State University	March 4 -10	May 4 - 9	
University of Wisconsin-Madison	March 24 - April 1	May 5 - 11	

APPENDIX H - FLIGHT ESTIMATES

School	Departure	Jacksonville	Tampa	Orlando	Gainesville
Air Force Institute of Technology	Dayton, OH (DAY)	$325	$336	*$354*	*$348*
Chattanooga State Community College	Chattanooga, TN (CHA)	$259	$241	$212	$298
City College of New York	New York, NY (JFK)	$175	$244	$225	$319
Colorado School of Mines	Denver, CO (DEN)	$383	$391	$370	$406
Excelsior College	Albany, NY (ALB)	$308	$300	$258	$293
Georgia Institute of Technology	Atlanta, GA (ATL)	$245	$167	$136	$329
Idaho State University	Idaho Falls, ID (IDA)	$830	$777	$661	$756
Iowa State University	Des Moines, IA (DSM)	$348	$348	$371	$370
Kansas State University	Manhattan, KS (MHK)	$543	$346	$416	$608
Louisiana State University	Baton Rouge, LA (BTR)	$331	$343	$322	$342
Massachusetts Institute of Technology	Boston, MA (BOS)	$272	$292	$278	$256
Missouri University of Science & Technology	St. Louis, MO (STL)	$384	$417	$397	$324
North Carolina State University	Morrisville, NC (RDU)	$339	$279	$270	$368
Ohio State University	Columbus, OH (CMH)	$321	$302	$230	$380
Oregon State University	Portland, OR (PDX)	$504	$427	$442	$565
Pennsylvania State University	Harrisburg, PA (MDT)	$475	$375	$365	$465
Purdue University	West Lafayette, IN (LAF)	$369	$381	$343	$457
Rensselaer Polytechnic Institute	Albany, NY (ALB)	$308	$300	$261	$293
South Carolina State University	Columbia, SC (CAE)	$299	$324	$273	$356
Southern Polytechnic State University	Atlanta, GA (ATL)	$245	$167	$136	$329
Texas A&M University	College Station, TX (CLL)	$438	$378	$398	$386
Three Rivers Community College	Hartford, CT (BDL)	$245	$263	$232	$327
United States Military Academy at West Point	New Windsor, NY (SWF)	$561	$415	$305	$561
United States Naval Academy	Hanover, MD (BWI)	$245	$219	$160	$281
University of California – Berkeley	San Francisco, CA (SFO)	$465	$492	$449	$508
University of Cincinnati	Cincinnati, OH (CVG)	$363	$333	$366	$415
University of Illinois Urbana-Champaign	Champaign, IL (CMI)	$326	$361	$441	$447
University of Maryland	Hanover, MD (BWI)	$245	$219	$160	$281
University of Massachusetts – Lowell	Boston, MA (BOS)	$272	$292	$278	$256
University of Michigan	Detroit, MI (DTW)	$329	$286	$336	$427
University of Missouri – Columbia	Columbia, MO (COU)	$357	$378	$443	$579
University of Nevada – Las Vegas	Las Vegas, NV (LAS)	$404	$426	$392	$436
University of New Mexico	Albuquerque, NM (ABQ)	$286	$334	$432	$470
University of Pittsburgh	Pittsburgh, PA (PIT)	$299	$302	$246	$387
University of South Carolina	Columbia, SC (CAE)	$299	$324	$273	$356

School	Departure	Jacksonville	Tampa	Orlando	Gainesville
University of Tennessee	Knoxville, TN (TYS)	$253	$355	$355	$286
University of Texas – Arlington	Dallas, TX (DFW)	$311	$317	$219	$330
University of Texas – Austin	Austin, TX (AUS)	$342	$377	$216	$334
University of Texas – Permian Basin	Midland, TX (MAF)	$490	$382	$396	$496
University of Utah	Salt Lake City, UT (SLC)	$465	$423	$375	$470
University of Washington	Seattle, WA (SEA)	$480	$475	$476	$493
University of Wisconsin - Madison	Madison, WI (MSN)	$437	$311	$346	$452
Utah State University	Salt Lake City, UT (SLC)	$465	$423	$375	$470
Vanderbilt University	Nashville, TN (BNA)	$259	$271	$229	$267
Virginia Commonwealth University	Richmond, VA (RIC)	$279	$269	$224	$352

DRIVING ESTIMATES

Departure Location	Miles (roundtrip)	Time (one way)	Gas Cost (per car)
Atlanta, GA	674	5 hr	$63
Columbia, SC	714	6 hr	$67
Chattanooga, TN	910	7 hr	$85
Morrisville, NC	1074	8 hr	$100
Nashville, TN	1172	9 hr	$110

APPENDIX I - BUDGET CONTINGENCY

ITEM NAME	SAVINGS	TOTAL ($)
LEVEL A BUDGET CUTS		
Continental Breakfast	11,082.00	
	New Total:	$197,540.10
LEVEL B BUDGET CUTS		
Level A Budget Cuts	11,082.00	
Afternoon Breaks	4,297.98	
Saturday Oak Social	3,200.00	
Mugs	1,387.54	
Pizza Slicer	862.84	
Total Savings	20,827.36	
	New Total:	$187,794.74
LEVEL C BUDGET CUTS		
Level B Budget Cuts	20,827.36	
Thursday Swamp Social	3000,00	
Satuday Lunch & Learn	7,121.85	
Total Savings	30,949.21	
	New Total:	$177,672.86
LEVEL D BUDGET CUTS		
Level C Budget Cuts	30,949.21	
Friday Wooly Social	2,500	
Friday Lunch & Learn	7,121.85	
Total Savings	40,571.36	
	New Total:	$168,051.04

ITEM NAME	SAVINGS	TOTAL ($)
LEVEL E BUDGET CUTS		
Level D Budget Cuts	40,571.36	
St. Augustine Trip	1,007.00	
Kings Bay Tour	1,139.50	
Economical Bag Replacement	3,363.14	
LGBTQA Social Bar Tab	1000.00	
Pens	204.05	
Note Pads	323.00	
Koozies	244.86	
KSC Tour Transportation	1,139.50	
St. Lucie Tour	1,139.50	
KSC Tour Admission	1,118.25	
Total Savings	51,504.03	
	New Total:	$157,118.07

APPENDIX J - CATERING SUMMARY

PROPOSAL / ESTIMATE
Classic Fare Catering
University of Florida

Attention:	Patrick Moo
	Matt Cook
Phone:	Patrick: (386) 785-3726
Email:	Patrick: prmoo@ufl.edu
For:	American Nuclear Society
Dates:	Thursday, April 05, 2018 through Saturday, April 07, 2016
Est. # Guests:	550

Day One - Registration:			
Thursday, 4/05/18	Continental Breakfast	300	$ 3,694.91
	Coffee Refresh		$ 324.87
	Box Lunches	550	$ 4,845.00
	Afternoon Refresh/Break	550	$ 1,431.66
	Ballroom Plated Dinner	550	$17,234.16
Subtotal			***$27,530.00***
Day Two:			
Friday, 4/06/18	Continental Breakfast	300	$ 3,694.91
	Coffee Refresh		$ 324.87
	Box Lunches	550	$ 4,845.00
	Afternoon Refresh/Break	550	$ 1,431.66
	Cash Bar/Buffet Dinner (Champions Club)	550	$18,085.50
Subtotal			***$28,381.94***
Day Three			
Saturday, 4/07/18	Continental Breakfast	300	$ 3,694.91
	Coffee Refresh		$ 324.87
	Deli Lunch Buffet	550	$ 7,121.85
	Afternoon Refresh/Break	550	$ 1,431.66
	Closing Ceremony Plated Dinner	550	$17,234.16
Subtotal			***$29,807.45***
ESTIMATED TOTAL			**$85,719.39**

Estimate based on current pricing
Price is subject to change

**Note that Friday Lunch & Learn should be a deli lunch, and that this is the reason for the price difference btween this sumary and the primary budget for catering.*

APPENDIX K - DETAILED CATERING

Order Name: ***PROPOSAL/ESTIMATE - Closing Ceremony - Plated Dinner***

Classic Fare CATERING
at the University of Florida

Classic Fare Catering
PO Box 118506,Gainesville,FL 32611
352.392.3463

ORDER #55917
Thursday, 4/5/2018
Ordered On: 10/3/2016
Last Modified: 10/3/2016 11:07:36 AM
Confirmation Pending

Customer Information

First Name: Patrick
Last Name: Moo
Address: ....
City: Gainesville
State: Florida
Zip: 32611
UF Department, Company, Organization: American Nuclear Society
Email: pmoo@ufl.edu
Phone: (386) 785-3726
Tax Exempt : True

Delivery / Pickup Information

Select Location: Classic Fare Catering
Method: 1) Inside Reitz Union
Delivery Contact: Patrick Moo
Department: American Nuclear Society
Address: ....
City: Gainesville
State: Florida
Zip Code: 32611
On Site Cell #: (386) 785-3726
: pmoo@ufl.edu
Building: JWRU
Room #: Grand Ballroom

Payment Information

Payment Type : Direct Bill
Billing Info: For Direct Bill: Please provide proper UF Department ID number. For SAR: Please provide approved SAR number. All Non-UF Departments MUST prepay.: Billing information is needed.
Event Authorized By: Event Not Yet Authorized

Event Information

Guest Count: 550
Pick-up/ Delivery Date: Thursday, 4/5/2018
Event Start Time: 6:00 PM
Event End Time: 9:00 PM

BEVERAGES	Qty.	Price	Ext.

Cash Bar - Alcohol Supplied By Classic Fare (6:00 p.m.)
• Beer & Wine Only
• $250 Minimum Guarantee per bar
• Guests will be charged as follows:
  ○ $6.00 per glass of wine
  ○ $5.00 per Domestic Beer
  ○ $6.00 per Premium or Import Beer
  ○ $1.50 per Soda or Bottled Water
• Bartenders are required for this event (1 bartender per every 50 guests) - charged at a rate of $60 per each for the first 2 hours and $30 an hour for additional hours of service
• Disposable barware is included in your order - you may upgrade to glass barware for $1.00 per guest
• Linen/skirting for the bar is included - additional linen for guest seating or registration tables may be added at $12 per table
• All events held on the University Campus must submit a copy of their approved UF Alcohol Approval Form to Classic Fare prior to the even date
• Cash Bars may not be held for Tailgating Events
• Cash Bars may not be held for events where a required entry/admission fee is being collected
	1	$250.00	$250.00

Custom Item - Bartenders	6	$60.00	$360.00

FOOD	Qty.	Price	Ext.
Classic Cheese Tray (Serves 80): Served with Carr`s Gourmet Crackers - per tray (6:00 p.m. - 6:30 p.m.)	4	$250.79	$1,003.16

Custom Order - Housemade Hot Spinach and Artichoke Dip with Asiago Cheese (6:00 p.m. - 6:30 p.m.) *Served with Pita Chips*	200	$2.29	$458.00

OTHER

	Qty.	Price	Ext.
Custom Menu - Stuffed Chicken Breast w/ Goat Cheese & Sun-Dried Tomatoes - Plated Dinner (6:30 p.m.) • ***Pre-set Salad***: Seasonal Garden Salad with Balsamic Vinaigrette and Peppercorn Ranch • French Quarter Potatoes with Caramelized Onions and Garlic • Patty Pan Squash Medley • Rolls and Butter • ***Pre-set Dessert:*** Key Lime Pie with Raspberry Drizzle, Whipped topping and Berry Garnish alternating with Chocolate Fudge Cake • Ice Water • Regular or Decaf Coffee/Condiments • Iced Tea (0 cal/8 oz. serving)	275	$24.49	$6,734.75
Custom Menu - Flank Steak with Wild Mushrooms in a Brandy Wine Sauce • ***Pre-set Salad:*** Seasonal Garden Salad with Balsamic Vinaigrette and Peppercorn Ranch • French Quarter Potatoes with Caramelized Onions and Garlic • Patty Pan Squash Medley • Rolls and Butter • ***Pre-set Dessert:*** Key Lime Pie with Raspberry Drizzle, Whipped topping and Berry Garnish alternating with Chocolate Fudge Cake • Ice Water • Regular or Decaf Coffee/Condiments • Iced Tea (0 cal/8 oz. serving)	200	$27.99	$5,598.00
Custom Menu - Eggplant Caprese with Mozzarella Cheese, Plum Tomatoes, Basil and Tomato Coulis • ***Pre-set Salad***: Seasonal Garden Salad with Balsamic Vinaigrette and Peppercorn Ranch • French Green Beans in a Garlic Butter Sauce • Rolls and Butter • ***Pre-set Dessert:*** Key Lime Pie with Raspberry Drizzle, Whipped topping and Berry Garnish alternating with Chocolate Fudge Cake • Ice Water • Regular or Decaf Coffee/Condiments • Iced Tea (0 cal/8 oz. serving)	75	$20.99	$1,574.25
Custom Item - 120" Tablecloths *Black, white, orange or blue napkins are included in the price.*	63	$12.00	$756.00
Custom Item - Additional Waitstaff *The first 2 hours of service are at no charge. Each additional hour is $25.00/hour per server.*	20	$25.00	$500.00

Order Summary

Beverages	Food	Other
$610.00	$1,461.16	$15,163.00

* Any amount charged by Aramark (such as an administrative, service, delivery, labor, or other charge or fee), unless expressly designated as a tip or gratuity, is not for the benefit of any employee(s) and is not a tip or gratuity. Charges or fees other than those designated as tips or gratuities are not distributed to employees except where expressly stated otherwise in writing.

Order Totals	
Sub Total	$17,234.16
Order Total	$17,234.16
Balance Due	**$17,234.16**

Special Instructions

Classic Fare Catering will Provide:

- China Service
- All serving equipment and serving utensils

All prices are subject to change.

APPENDIX L - JUDGES SHEET 1

NAME:

PAPER TITLE:

STUDENT LEVEL:

SCHOOL:

DATE:

Presenation Number:

Track category:

Significance/Introduction

Hypothesis or purpose stated:	/5
Background presented clearly:	/5
Significance of problem:	/5
Total:	/15

Oral Presentation Quality

Slide Organization:	/5
Figures/tables large enough:	/5
Ratio of information per slide:	/5
Appealing slide design	/5
Total:	/20

Content

Data:	/5
Analysis of figures:	/5
Analysis of tables:	/5
Conclusion:	/5
Total:	/20

Presentation Skills

Audience engagement:	/5
Minimal use of filler language:	/5
Eye contact with audience:	/5
Engaging body language:	/5
Clear annunciation:	/5
Total:	/25

Impression of preparedness	/10
Timing:	/10

TOTAL POINTS: _____ /100

GENERAL COMMENTS:

Judge's Name:

Judge's Affilitaion

APPENDIX L - JUDGES SHEET 2

NAME:

PAPER TITLE:

STUDENT LEVEL:

SCHOOL:

DATE:

Poster Number:

Visuals

Overal look and feel:	/10
Useful graphs and figures:	/15
Organization is clear:	/10
Total:	/35

Content

Data:	/10
Analysis of figures:	/10
Analysis of tables:	/10
Conclusion:	/10
Total:	/40

Presentation Skills

Eye contact with attendees:	/5
Engaging body language:	/5
Clear annunciation:	/5
Total:	/15

Impression of preparedness /10

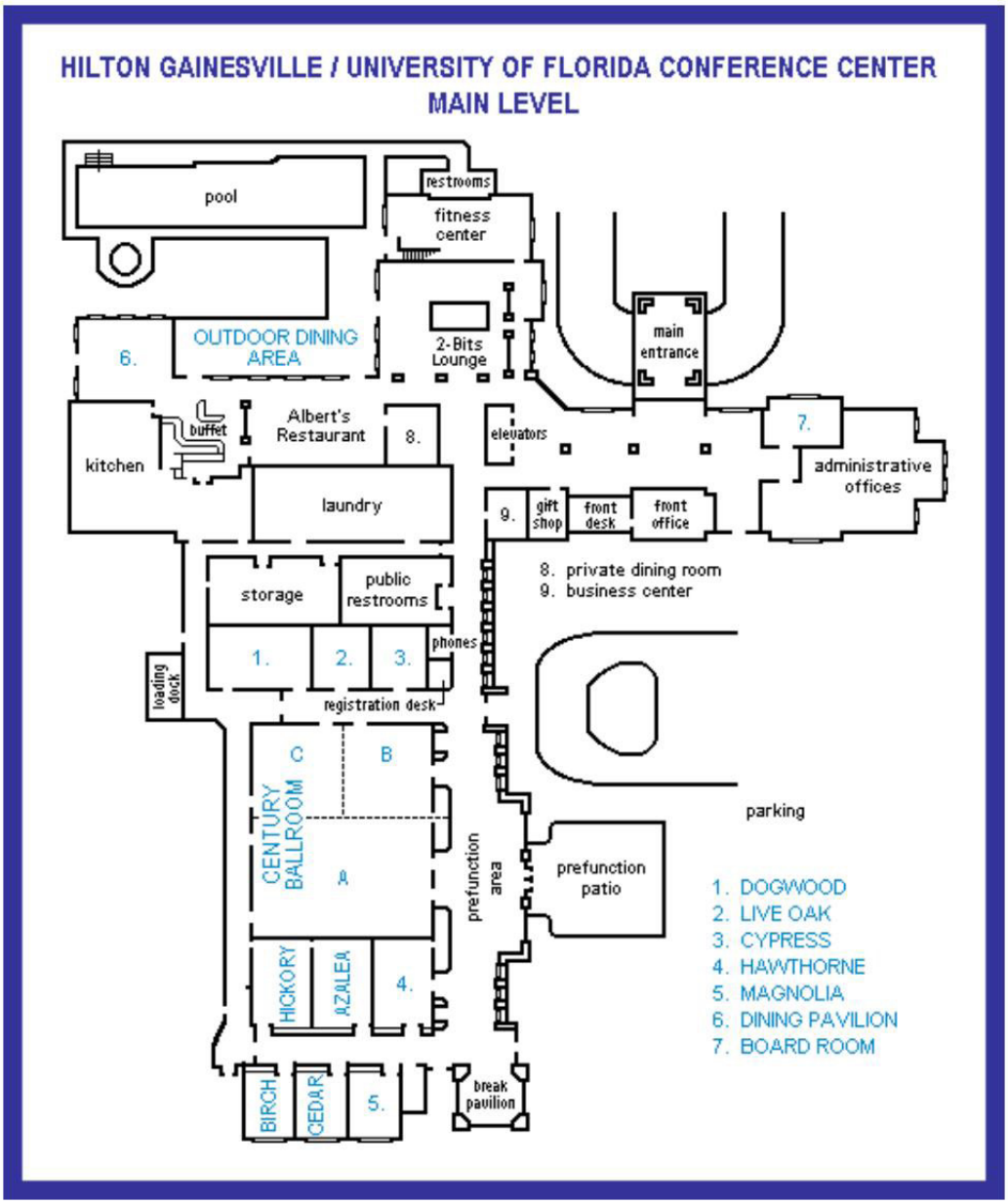
TOTAL POINTS: /100

GENERAL COMMENTS:

Judge's Name:

Judge's Affilitaion

APPENDIX M - HILTON CONFERENCE AREA



APPENDIX N - STUDENT SUPPORT

As a student of the University of Florida Nuclear Engineering Program, I pledge my support to the University of Florida American Nuclear Society Student Section in hosting the 2018 ANS Student Conference.

NAME	SIGNATURE
Patrick Moo	
Zauder Mausolff	
Forrest Shriver	
Kristin Smith	
Noah Heintz	
Olin Calvin	
Mark Cook	
Noah McFerran	
Thien Anh Nguyen	
Hannah Gardiner	
Gabriel Sandler	
Tyler Astesan	
Daniel Ospina	
Juan Rios	
Jason Coleman	
David Lopez	
Alec Neller	
Anas Abdelwahab	
Allan Martin	
Zach Weems	

As a student of the University of Florida Nuclear Engineering Program, I pledge my support to the University of Florida American Nuclear Society Student Section in hosting the 2018 ANS Student Conference.

NAME	SIGNATURE
Masen Sudduth	
Juan Beltran	
Thomas DePaola	
Sydney Wallace	
Brandon Capellini	
Robert Olinick	
Andrew Harrell	
Carson Beattie	
America Menendez	
Christopher Preston	
Fernando Arcia	
Nicholas Scttle	
Ian Craven	
Abigael Wahler	
Robert Struthmann	
Olivia Albano	
Bryan Miller	
Ryan Averbach	
Madelyn Wilson	
Skyler Davis	

As a student of the University of Florida Nuclear Engineering Program, I pledge my support to the University of Florida American Nuclear Society Student Section in hosting the 2018 ANS Student Conference.

NAME	SIGNATURE
Rachel Bruenderman	R. Bruenderman
Timothy Ironman	
Susan Stanfill	
Larson Beattie	
Justin Phelps	
Andrew Williamson	
Kenneth Fernandez	
Sonata Valaitis	
Kyle Kelley	
Kevin Kelly	
Dylan Jurski	
MEikzhan TEMIRbayev	
Cathleen Barker	
Travis Barker	
James Totten	
Zhenyu Fu	
Zheng Zhang	
Christian Baucom	
Bonnie PRESIDENT	
Kayla Clements	

As a student of the University of Florida Nuclear Engineering Program, I pledge my support to the University of Florida American Nuclear Society Student Section in hosting the 2018 ANS Student Conference.

NAME	SIGNATURE
ThienAn Nguyen	
Matt Cook	
Stephen Marsh	
Jordan Ball	
Canyon Barry	
Austin Hunt	
Dhaval Patel	
Shelby Smith	
Yuan Gao	
Dan Monaghan	
Jafar Alamgir	
Erin Jane Lapasaran	
Christopher Kelton	
Austin Kansol	
Santiago Molina	
Daniel Singer	
Hannah Grimm	
Matthew Dunbrack	
Darcy Ahern	
Mustafa Sidiqi	

As a student of the University of Florida Nuclear Engineering Program, I pledge my support to the University of Florida American Nuclear Society Student Section in hosting the 2018 ANS Student Conference.

NAME	SIGNATURE
Jieqiong Chen	Jieqiong Chen
Surafel Woldegiorgis	Surafel Woldegiorgis
PAUL JOHNS	Paul Johns
Christopher Greulich	Chris Greulich
Ryan Field	Ryan Field
Alexander Rice	Alex Rice
Jesse Bruner	Jesse Bruner
Hannia Diaz-Ayllon	Hannia Diaz-Ayllon
Justin Merrow	Justin Merrow
Scott Sapp	Scott Sapp
Jonathan Guilbe	Jonathan Guilbe
Christopher Peet	Christopher Peet
Mathew Lynch	Mathew Lynch
Matthew Csontos	Matthew Csontos
Andy Rivas	Andy Rivas
Kayla Clements	Kayla Clements
Sarah Lehotay	Sarah Lehotay
Erik Lucas	Erik Lucas
Kian Nowroozi	Kian Nowroozi
Haowei Chen	Haowei Chen