

2011 American Nuclear Society National Student Conference



*“Living in the Heartland of the Nuclear
Renaissance”*

Proposal by:

The American Nuclear Society, Georgia Tech Student Chapter

Georgia Institute of Technology

350 Ferst Dr.

Room 2211 – Box 61

Atlanta, GA 30332-0283

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March 12, 2010
Student Sections Committee
ANS Education and Training Division

Dear Members of the American Nuclear Society Student Sections Committee:

The Georgia Tech Student Section of the American Nuclear Society is honored to submit this proposal to host the 2011 ANS Student Conference. We truly believe that Georgia Tech is very well prepared to accommodate such a gathering, and it would be our pleasure to organize and execute this conference. Building on the proposal we submitted for consideration last year, we believe that we have strengthened areas that needed improvement and delivered a proposal that promises to offer one of the best ANS Student Conferences to date.

Georgia Tech's Nuclear and Radiological Engineering program, ranked 8th nationwide, is located in a very active area in the nuclear industry. Our university boasts continuing partnerships with large companies such as Southern Nuclear, INPO, AREVA, and the NRC, which all have large branches in the Atlanta area. We are also located within a few hours of Oak Ridge National Laboratory, Savannah River National Laboratory, and Plants Vogtle and Hatch.

Plant Vogtle, located just two and a half hours from our campus, was awarded conditional loan guarantees by the President of the United States last month, marking the first national investment in power plant growth in nearly three decades. This, along with other burgeoning local activities, led us to our choice of theme for this conference: "Living in the Heartland of the Nuclear Renaissance." We are in a unique position, as first-hand witnesses to the wonderful developments here in the Southeast, to share with the rest of our colleagues a glimpse into the near future, the reawakening of the nuclear industry.

In short, we continue to believe that the Georgia Tech American Nuclear Society has the leadership, the vision, and the university and industry-wide support necessary to make the 2011 ANS Student Conference a sweeping success. Thank you so much for your consideration!

Best regards,

Handwritten signature of Timothy F. Cahill in cursive.

Timothy F. Cahill
Conference Chair

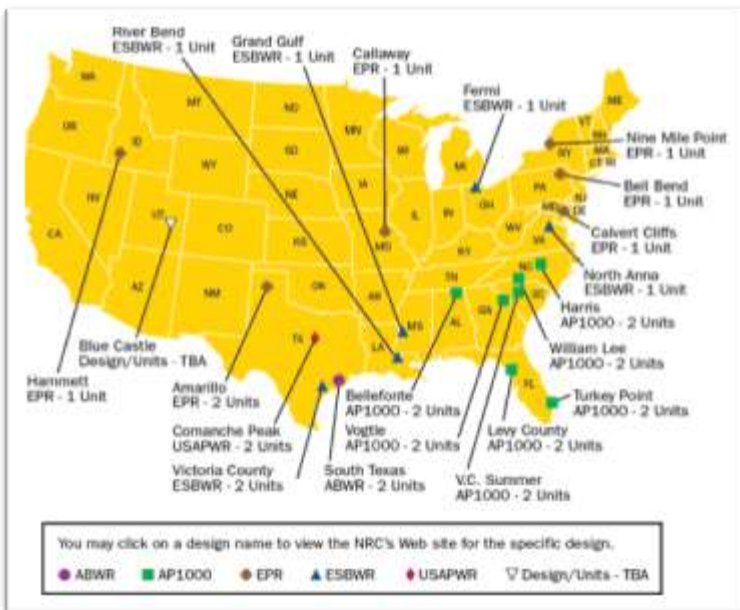
Handwritten signature of Amy Varallo in cursive.

Amy Varallo
Conference Co-Chair

INTRODUCTION – WHY CHOOSE GEORGIA TECH AND ATLANTA?



Over 70% of nuclear engineering students in the United States are located within two hours of Atlanta by air travel. This statistic, based on a 2007 survey by Oak Ridge National Laboratory’s Institute for Science and Education (ORISE), is absolutely staggering when consideration is given to the ease and convenience of conference locations. *By choosing Georgia Tech and Atlanta to host the 2011 National Student Conference, it would ensure that the conference is in reach to the vast majority of possible student attendees.*



The Southeastern United States is home to over 50% of the country’s projected new nuclear developments. This should come as no surprise given the massive population migration to this region of the country. Power demands are ever increasing, and companies in the Southeast are turning to nuclear power to provide for that demand. The combination of an aging workforce and an expanding labor potential means a high demand for nuclear engineers. *By choosing Georgia Tech and Atlanta to host the conference, it would ensure that companies looking to sponsor, support, and hire have easy access to the conference and, thus, the future work force.*

GT ANS STUDENT SECTION



*Georgia Tech ANS visits Southern Company's **Plant Vogtle** in Waynesboro, GA, as an annual event*

The Georgia Tech Student Section of the American Nuclear Society has become increasingly active over the last few years as enrollment in the Nuclear and Radiological Engineering program continues to grow. Membership is diverse and encompasses undergraduate, graduate, and Ph.D. students. Many GT ANS members have served in leadership positions across campus, including positions as Student Government representatives and Interfraternity Council members.

Our members have interned with major companies in the nuclear industry, bringing a large list of contacts back to the organization and helping the organization increase professional activities.

GT ANS participates in and/or organizes numerous academic and social events, both on and off campus. Some of the events from *just* the past year include:

- Touring Plant Vogtle in Waynesboro, GA
- Touring the Nuclear Regulatory Commission's Technical Training Center in Chattanooga, TN
- Visiting area high school physics classes to speak on the importance of nuclear technologies
- Tabling for campus events, such as the Woodruff School Outdoor Social and Earth Day
- Presenting at a city-wide Boy Scout and Girl Scout Day at a local museum
- Hosting various speakers, including a special seminar on nuclear safeguards by Oak Ridge National Laboratory
- Attending the NRE Faculty Picnic and NRE/MP Annual Cookout
- First annual Boy Scout Nuclear Science Merit Badge Workshop scheduled for April 2010



*Buzz, Georgia Tech's famous mascot, pays a visit to the GT ANS table at the **Woodruff School Outdoor Social***



*GT ANS members enjoy the food and the company at the **NRE/MP Annual Cookout***

The executive board of GT ANS, comprised of the president, vice president, secretary, and treasurer, oversees and helps manage day-to-day activities of the various committees. Currently, GT ANS boasts four committees: a Finance, Public Relations/Outreach, Social, and Conference Planning committee. These groups allow GT ANS members to emphasize their strengths, interests, and backgrounds by working on diverse projects. Because of the hard work of these committees, **GT ANS was recently awarded funding from the Student Government Association that can be put toward the cost of hosting organization events, including the conference, should GT ANS be chosen to host.**

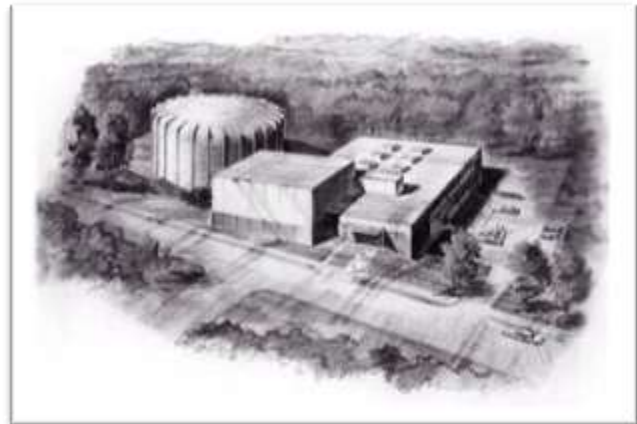
The Georgia Tech American Nuclear Society is excited by the prospect of hosting the national student conference and has the leadership, skills, and capacity to accomplish it.

PAST, PRESENT, AND FUTURE

Georgia Tech's department of Nuclear and Radiological Engineering features one of the oldest and most prestigious of its kind in the country. The program's roots begin in 1957 when Frank Neely assisted Georgia Tech in obtaining one of the first reactors in the South. This led to Georgia Legislature granting Georgia Tech \$2.5 million dollars for a nuclear reactor. As a result, the School of Nuclear Engineering was established in 1962 with the Master of Science in Nuclear and Radiological Engineering (M.S.N.E) as its first degree.

In 1964, the Ph.D. in nuclear engineering was approved, and an important teaching tool was gained, as the heavy-water-cooled nuclear reactor begins operations. Health physics, an important application of nuclear science, began to be offered as a curriculum option within the MSNE program in 1965, and by the 1970s expanded to become the largest health physics program in the country. In the year of 1967 further growth occurred with the establishment of the undergraduate program in Nuclear Engineering which was followed up with an approval of a bachelor's degree in 1973.

By the 1970's Georgia Tech became one of the first undergraduate programs in nuclear engineering to be accredited. Truly, the 1970's saw a major expansion and modification in the GT Nuclear and Radiological Engineering department. First, materials fuel technology and reactor operations became an option in the curriculum. In 1977 the Center of Radiological Research was formed to coordinate research in health physics. In addition, Dr. Weston M. Stacey arrived at Tech to set up the Fusion Research Center in the School of Nuclear Engineering. Finally, at the end of the 1970s, the large Cobalt 60 source from the Department of Energy was installed in the Neely Center.



A design concept for the Frank H. Neely Nuclear Research Facility, a department building of the NRE program



Georgia Tech's 5MW_{TH} Research Reactor before decommissioning

Sadly, the 1980's witnessed a period of downturn for the program as public and political approval of nuclear generated electricity took a hit from matters such as the Three Mile Island accident. However, Tech decided to maintain its nuclear engineering program because of the importance of nuclear power and security to the economies of the southeast and the nation. In 1984, the school of Nuclear Engineering was taken under the wing of the George W. Woodruff School of Mechanical Engineering allowing it to maintain its accreditation and degree programs. In 1995, the Georgia Tech research reactor had to unfortunately be shut down for security reasons during the upcoming 1996 Summer Olympics that took place in Atlanta Georgia. In 2002, Georgia Tech received an award from the State of Georgia for engineering excellence of the decommissioning of its reactor.

To insure the future success of the GT Nuclear and Radiological Engineering program, a strategic plan was developed by the faculty which called for the NRE/HP program to rise up as an autonomous unit in the Woodruff School. A period of program growth that includes the addition of faculty and an increase in the number of undergraduate students enrolled in the program followed. Furthermore, self-selected research areas were created including fusion, fission, and health physics. In 2003, ABET approval of the undergraduate program was obtained, and the Master's Degree in Medical Physics received

approval from the board of regents. By 2004, the undergraduate program in nuclear and radiological engineering was ranked 11th in the nation by *U.S. News & World Report*, and by 2007 increasing enrollment resulted in the hiring of four new faculty members.

Today Georgia Tech boasts a Nuclear and Radiological Engineering program ranked in the top ten in the nation. Enrollment has never been better with fall 2009 numbers reaching 260 (190 undergraduate students, 41 master's degree students, and 29 doctoral students), making the Georgia Tech NRE program one of the largest in the nation. Because of this rapid expansion, the Nuclear and



The newly-renovated **Boggs Building** now serves as the Nuclear and Radiological Engineering Department Headquarters

Radiological Engineering program has recently moved to a larger, more advanced facility. Located in the center of campus, the newly renovated Boggs Building houses many offices for faculty within the program, and will feature an entire floor dedicated to new, state-of-the-art radiation and research laboratories. There is no doubt that today the Georgia Institute of Technology's Nuclear and Radiological Engineering program is a leader in education and prepares the way for the future nuclear professionals of America.

RESEARCH INTERESTS

The Nuclear and Radiological Engineering program is involved in a variety of research areas, including:

- Computational Reactor and Medical Physics Group develop methods to solve transport problems for reactor physics and medical physics applications. This group takes advantage of a high-speed computing cluster.
- Fast Reactor Research Group studies fast reactors in order to implement a closed fuel cycle. This group analyzes liquid-metal cooled reactors for their ability to generate power and destroy actinides by fission.
- Fusion Research Center collaborates with other team members of the DIII-D National Tokamak Facility in pursuing fusion power using plasma in a Tokamak.
- Pioneer Research in Nuclear Detection is a collaborative effort between the Nuclear and Radiological Engineering Department, the School of Electrical and Computer Engineering, the School of Materials Science and Engineering, the School of Industrial and Systems Engineering, and the School of Physics. This group works to develop radiation detection systems with uses in national security, public health, and other applications.



Medical Physics Group in action

FACILITIES

Within the Nuclear and Radiological Engineering curriculum, students at Georgia Tech make use of various laboratories, classrooms, and other facilities across campus.

ACADEMIC LABORATORIES

- **AREVA Radiation Detection Laboratory** - The detection laboratory is used by students in both the nuclear and radiological & medical physics programs. The laboratory consists of six complete experimental stations of radiation detectors and electronics as well as other associated equipment used during the class.

- **Southern Nuclear Radiation Physics Laboratory** - The radiation physics laboratory is used in a senior level laboratory class to conduct radiation and reactor physics experiments. The laboratory consists of a natural uranium and graphite sub-critical assembly and associated neutron sources and electronics.
- **NRE Student Computer Cluster** - The NRE Student Computer Cluster has 12 individual workstations for undergraduate and graduate students to complete assigned classroom projects. On each computer is common Math, Mechanical Engineering and Nuclear Engineering software for students use.



The AREVA Radiation Detection Laboratory is used by students pursuing undergraduate, graduate, and post-graduate degrees

RESEARCH LABORATORIES

The nuclear and radiological engineering and medical physics programs have diverse amount of research laboratories to conduct experimental as well as computational research. Some of the noted research laboratories are:

- **Neutron Reference Field Laboratory** - A large high-bay laboratory with multiple neutron sources and assemblies can be used to create reference neutron spectra for use in neutron detector and dosimetry research
- **High Speed Computing Laboratory** - A dedicated cold room to many of the program's parallel computational clusters
- **Thermoluminescent Detector Laboratory** - A dedicated laboratory to the preparation and analysis of thermoluminescent detectors
- **PWR Axial Offset Anomaly Test Facility** - Test loop designed to operate at prototypical PWR primary loop conditions. Facility simulated conditions corresponding to crud deposition and boron precipitation on fuel rods and examines various practical solutions for preventing AOA
- **Microchannel Test Facility** - Facility aimed at simulation single and two-phase phenomena in high heat flux systems such as accelerator targets, compact fission reactor cores and fusion first walls. Phenomena investigated include: two-phase flow instability, critical heat flux, single-phase forced convection, and two-phase pressure drop and flow regimes.
- **Oscillating Jet Test Facility** - Facility aimed at investigating the fluid dynamic aspects of liquid jets for inertial fusion first wall protection schemes. Facility operated at prototypical oscillation frequencies Reynolds, Weber, and Froude numbers for liquid sheets. Among the phenomena investigated are jet surface smoothness, droplet (mist) formation, and nozzle design optimization.
- **Plasma-facing Components Thermal-hydraulic Test Facility** - Facility aimed at testing gas-cooled diverters for magnetic fusion reactor applications.



A student demonstrates an experiment using the PWR Axial Offset Anomaly Test Facility

WOODRUFF SCHOOL FACILITIES

The Atlanta campus of the Georgia Institute of Technology contains 197 buildings, including 72 for academic instruction and research, and 12 for academic support. The remaining buildings by principal use are for athletics, campus support, parking, residential, Georgia Tech Research Institute, and student support. Students within the Woodruff School of Mechanical Engineering make use of the following buildings during their academic careers:

J. ERSKINE LOVE JR. MANUFACTURING BUILDING

- 153,664 sq. ft.
- Opened in 2000
- Building is shared with Materials Science and Engineering
- Underwater acoustics tank, wind tunnel, and MEMS clean room are special facilities
- Acoustics, Fluid Mechanics, Heat Transfer, and MEMS are the research groups in this building
- Computer Support



MANUFACTURING RELATED DISCIPLINES COMPLEX (MRDC)

- 121,976 sq. ft.
- Opened in 1995
- Building is shared with Polymer and Textile Engineering
- Undergraduate laboratories are among the special facilities
- Tribology and Mechanics of Materials research groups building
- Electronics Lab
- Machine Shop
- Computer Services



FULLER E. CALLAWAY, JR. MANUFACTURING RESEARCH CENTER (MARC)

- 118,380 sq. ft.
- Opened in 1991 (interdisciplinary space)
- Integrated Acoustics Laboratory (anechoic-chamber) and high-bay area are special facilities
- Manufacturing, CAE/Design, and Automation/Mechatronics faculty research groups are housed here



FRANK H. NEELY RESEARCH CENTER

- 41,432 sq. ft.
- Opened in 1963
- Formerly housed the Nuclear and Radiological Engineering and Medical Physics programs
- Research groups: fission, fusion, and medical physics



PARKER H. PETIT BIOTECHNOLOGY BUILDING

- 156,749 sq. ft.
- Opened in 1999 (interdisciplinary space)
- Bioengineering research group is located here



INSTITUTE OF PAPER SCIENCE AND TECHNOLOGY

- Opened in 1992
- Houses two laboratories for faculty members in the Heat Transfer research group

IPST CENTENNIAL ENGINEERING BUILDING

- Opened in 1997
- Faculty members in Paper Science and Engineering are housed here



STUDENT COMPETITION CENTER (THE TIN BUILDING)

- Opened in 1941
- Officially the Mechanical Engineering Research Building
- Houses various student competition groups, including GT Motorsports, GT Off-Road, Robojackets and Solar Jackets

The Georgia Institute of Technology has a rich history and has been a pioneer in higher education in the United States for over 125 years. The Georgia School of Technology was founded in 1885 in conjunction with the South's transition from an agrarian focused society to an industry focused society. At that time there was only one major, mechanical engineering, eighty-four students, and two buildings. Students would study for half of the day in the Academic Building (now Tech Tower) and would work in the Shop building for the rest of the day to fund their education. By 1901 the school had added three more engineering majors: electrical, civil, and chemical.



The school changed its name to Georgia Institute of Technology in 1948 to reflect its transition from a trade school to a research and technology focused institution. Georgia Tech first accepted female students in 1954 and was the first university in the Deep South to accept African American students in 1961. Today Georgia Institute of Technology enrolls around 18,500 graduate and undergraduate students in six colleges (architecture, computing, engineering, liberal arts, management, and sciences) and 34 undergraduate degree programs. The Institute is consistently ranked well among public and private universities. In 2009 US News & World Report ranked Georgia Tech 7th among public universities and 35th among all national universities. Georgia Tech's engineering program is ranked 4th in the country with eight of the twelve engineering programs ranked in the top ten. Georgia Tech is ranked 1st in number of degrees awarded in engineering and 1st in the number of degrees awarded to women in engineering.



The entering freshmen class of 2009 had an average GPA of 3.8 and an average SAT score over 1370. Georgia Tech continues its commitment to integrating practical application with classroom studies. Georgia Tech has the largest voluntary co-op/internship program in the country and is included in US News & World Report's "Academic Programs to Look for" under internships/co-op. In addition to high caliber academics, Georgia Tech students enjoy Division I athletics. In 2009 Georgia Tech Yellow Jacket football had a very successful winning season with head coach Paul Johnson. The season included bringing home the ACC championship and a trip to the Orange Bowl.

Georgia Tech is located in the heart of midtown Atlanta, the state capital of Georgia. Atlanta hosted the 1996 Summer Olympics and the city still reflects this influence. Less than a mile from the Georgia Tech Campus is Centennial Olympic Park with its famous Olympic ring fountain. The New World of Coke, the Georgia Aquarium, and the CNN Center are located near Centennial Olympic park as well. Atlanta is also home for numerous professional sports teams including Braves baseball, Falcons football, Hawks basketball, and Thrashers Ice Hockey. Atlanta is also home to various artistic venues including the High Museum of Art and the Fox Theatre.

Atlanta offers a convenient location for professionals in nuclear engineering fields. Southern Company's Plant Vogtle and Plant Hatch are located less than three and four hours away, respectively. Savannah River and Oak Ridge National Labs are also within four hours of Atlanta. In addition, many organizations have offices in Atlanta, including the Nuclear Regulatory Commission, INPO, and the Center for Disease Control.

PROPOSED DATES

The following possible conference dates have been selected according to the traditional time frame of past conference and on availability of facilities, hotels, and classrooms such that the conference would conflict as little as possible with university spring breaks and major city-wide events:

1. April 7th – 10th (no conflicts)
2. March 3rd – 6th (overlaps with 7 university spring breaks)
3. March 24th – 27th (overlaps with 9 university spring breaks, including Georgia Tech)

For a detailed calendar of conflicts, please see [APPENDIX C](#).

PROJECTED ATTENDANCE

The following is a table comprising either the actual or the projected attendance figures from the last few conferences:

SCHOOL	YEAR	STUDENTS	PROFESSIONALS
<i>Texas A&M*</i>	<i>2008</i>	<i>375</i>	<i>175</i>
Florida	2009	400	50
Michigan	2010	400	100

**Actual attendance figures, as reported from Ms. Marie Cronholm, 2008 conference chair*

Based on attendance figures from previous years, Georgia Tech's centralized location, and the number of surrounding universities and companies within short traveling distance, we have planned the conference to accommodate 425 students and 150 professionals, totaling to 575 conference attendees. The conference has been built around this number being flexible, as will be shown when reviewing the conference budget.

ACCOMMODATIONS

Atlanta is the conference capital of the world. Atlanta prides itself on being the best place to plan and host large conferences, be it multinational corporations or professional nuclear societies. In that regard, Atlanta, and subsequently Georgia Tech, is well-equipped to house large groups of people with its numerous hotels, many conveniently located within a few minutes of the Georgia Tech campus.

For the conference, we have arranged to house all conference attendees, both student and professional, at the Hyatt Regency in downtown Atlanta. The Hyatt is the world's first Atrium hotel and features numerous amenities and conveniences, including a 24-hour coffee shop, a breakfast and lunch café, one of Atlanta's finest steakhouses, and the largest ballroom in all of Atlanta. The hotel features three distinct towers, each with its own architectural and decorative theme. The hotel itself is connected to the Peachtree Center, which features a variety of shops and restaurants as well as an underground mall, all connected via a skyway system between the various buildings.



The Hyatt Regency atrium

Guest rooms are plush and comfortable. Attendees will have a choice of either a King bed room or a twin Double bed room. Each room has large closets capable of holding the entire weekend's attire. There is also a private balcony for each room, allowing guests a unique view of the city. In addition, all guests have complimentary access to the 24-hour fitness center, which is equipped with numerous treadmills, weight benches, and other exercise equipment.



A view of the typical twin Double bed room

Logistically, the Hyatt Regency provides many positive features to the conference. It is located within a mile of campus, and provides easy access for buses to shuttle conference goers back and forth. There is ample space within the hotel to set up a conference check-in center on Thursday as participants arrive. Therefore, participants can check in with the conference at the same time that they check into the hotel. In addition, the Regency Ballroom located within the hotel provides the ideal space for the closing dinner and awards ceremonies, and the ballroom is provided at no extra charge and with discounted catering and audio/video services in return for housing the majority of conference participants within the hotel.

Perhaps one of the most beneficial features of the Hyatt Regency is the hotel's prior experience in hosting ANS conferences. As host to the Summer 2009 annual meeting, the Hyatt is intimately aware of the special needs that ANS conferences require. In fact, we have been given assurances that, should Georgia Tech be chosen as the host for the 2011 conference, we would be teamed with the hotel representatives responsible for organizing the Summer 2009 annual meeting.

In the unlikely event that an alternative hotel is required, located a block from the Hyatt Regency is the Hilton. The Hilton Atlanta is similarly equipped to the Hyatt Regency, and has offered a comparable package that we are considering as a backup to the Hyatt. More details on the Hilton can be provided if needed as an alternative hotel.

Below is a rate listing for the Hyatt and the number of rooms that are tentatively booked for use by the conference. We have also included a list of discounted/complimentary services the hotel will provide in exchange for housing the majority of our conference attendees at the Hyatt:

TYPE	ROOM	SINGLE	DOUBLE	TRIPLE	QUAD
Professionals	King	\$145	\$145	\$165	\$185
Students	Double Double	\$119	\$119	\$119	\$119
<i>Regular Rate</i>		<i>\$189</i>	<i>\$189</i>	<i>\$214</i>	<i>\$239</i>

* Does not include taxes or other incurred fees, such as internet usage, room service, etc.

ROOM	WED	THU	FRI	SAT	SUN
King	75	130	130	130	Check-out
Double Double	25	130	130	130	Check-out
Executive Suites	4	4	4	4	Check-out

CONCESSIONS:

- 10% discount on all F&B banquet menus
- Complimentary custom registration website for all attendees
- Separate room blocks and rates for students and professional attendees
- 4 suite upgrades at the group rate for VIP's to be used as needed by group
- 4 complimentary VIP welcome amenities delivered upon arrival
- 10% discount on Audio Visual Needs
- 10% discount on meeting space internet needs
- Complimentary 24 hour fitness center
- Complimentary staff office refreshments and snacks for duration of program

TRANSPORTATION

Atlanta is the world leader in air travel and transportation. Atlanta is home to the Hartsfield-Jackson Atlanta International Airport, the world's busiest airport, which serves almost 90 million passengers on nearly 1 million flights annually. In addition, Atlanta is the main hub of Delta Airlines, the world's largest commercial airline, as well as AirTran Airways. Therefore, Atlanta, and subsequently Georgia Tech, is accessible from literally every place in the world.



Side-by-side route and street map depicting the Airport (S7) to Peachtree Center (N1) MARTA trip

Travelers arriving by plane to Atlanta have access to the MARTA rail and subway system from directly within the airport. On the day of arrival (Thursday), greeters from GT ANS will be located at various points in the airport to guide conference goers and distribute MARTA rail passes, which will allow for travel throughout the entire conference. From the airport, travelers will proceed to the Peachtree Center stop. From here,

the Hyatt can be accessed through the Peachtree Center complex, which features skywalks that connect directly to the hotel. In other words, from the time they touch down at the Atlanta airport to the time that they arrive at the hotel, conference goers will not have to walk outside, thus eliminating inner-city travel problems due to inclement weather.

For those attendees choosing to drive to Atlanta, the Hyatt is conveniently located off of the downtown connector (Interstate 75/85) via exit 249A from the north or 248C from the south. The Hyatt is three blocks from either exit. Parking is provided by the hotel in a secure, underground parking garage.

While at the conference, the activities will be located at the center of the Georgia Tech campus, an excellent walking campus, or at the Georgia Tech Hotel and Conference Center. Transportation between the Hyatt and campus, as well as intra-campus travel, will be provided through the use of the Georgia Tech Stinger Bus service and a chartered bus service. For a sample of the transit schedule, please see [APPENDIX D](#).

For the trip home, attendees can take MARTA via the Peachtree Center stop back to the airport. Both Delta and AirTran offer special ticketing counters for MARTA passengers, ensuring a quick and efficient check-in process.

The table on the following page lists student sections and the airport(s) that serve them. Prices are based on a round-trip fare, with the departure on a Thursday and the return on a Sunday, using Orbitz.com. Dates were picked as a typical, non-holiday weekend booked three months in advance of the dates of travel. The prices listed include all taxes and fees charged for the booking.



Skywalks connect the Hyatt Regency to the Peachtree MARTA station

STUDENT SECTION	NEAREST AIRPORT	AIRFARE
Air Force Institute of Technology	Cincinnati	232.00
Arizona	Tucson	348.00
Florida	Gainesville	350.00
Idaho State	Pocatello	531.00
Illinois	Indianapolis, Willard	192.00
Kansas State	Kansas City	156.00
LSU	Baton Rouge	302.00
McMaster University	Toronto	423.00
Michigan	Detroit	220.00
Missouri University of Science Technology	St Louis	216.00
Missouri, Columbia	St Louis	216.00
MIT/UMass Lowell	Boston	266.00
NC State	Raleigh	132.00
Ohio St.	Columbus	130.00
Oregon St.	Portland	387.00
Penn St.	University Park Airport	299.00
Purdue	Indianapolis	192.00
RPI/Excelsior	Albany	407.00
South Carolina/SC State	Columbia	334.00
Texas A&M	Houston	274.00
Three Rivers Community College	St. Louis	216.00
UC Berkeley	San Francisco	297.00
University of Cincinnati	Cincinnati	232.00
University of Maryland	Baltimore	180.00
University of Missouri, Columbia	St Louis	216.00
University of Nevada, Las Vegas	Las Vegas	308.00
University of New Brunswick	Fredericton	655.00
University of New Mexico	Albuquerque	324.00
University of Tennessee	Knoxville	326.00
University of Texas at Austin	Austin	316.00
University of Utah	Salt Lake City	332.00
University of Wisconsin	Milwaukee	254.00
US Naval Academy	Baltimore, Washington	180.00
Virginia Tech	Roanoke	298.00
Vanderbilt University	Nashville	268.00
West Point	New York	184.00

Average: \$283.14

AVERAGE TOTAL COST OF ATTENDANCE PER STUDENT

ITEM	COST
Registration Fee	\$25
Airfare	\$283
Lodging	\$120*
Reimbursement	-\$170
TOTAL ATTENDANCE COST	\$258

* Assumes 4 people/room for a 3-night stay at the Hyatt Regency

TENTATIVE SCHEDULE OF EVENTS

	Thursday	Friday	Saturday	Sunday																																										
8:00 AM	Check-In	Breakfast		Breakfast																																										
9:00 AM		Aquarium/ World of Coke Tours or High Museum of Art/Atlantic Station Tours	Presentations	Poster Fair	Career Fair	Interviews	Presentations	Workshop	Career Fair	Interviews	Breakfast	Tour of Plant Vogtle																																		
10:00 AM			Workshop	Facility and Campus Tours	Presentations	Facility and Campus Tours	Career Fair	Interviews	Presentations (If Needed)	Workshop	Career Fair		Interviews																																	
11:00 AM														Lunch	SSC Meeting	Lunch	Mentor Luncheon																													
12:00 PM																		Game Night	Relay For Life Night	Dinner/Awards Presentation/Closing																										
1:00 PM																					Plenary and Opening Reception	Plenary/Dinner	Semi-formal Social																							
2:00 PM																								Six Flags	Tour of Plant Vogtle																					
3:00 PM																										Presentations	Workshop	Career Fair	Interviews																	
4:00 PM																														Presentations (If Needed)	Workshop	Career Fair	Interviews													
5:00 PM																																		Dinner/Awards Presentation/Closing												
6:00 PM																																			Plenary and Opening Reception	Plenary/Dinner	Semi-formal Social									
7:00 PM																																						Plenary and Opening Reception	Plenary/Dinner	Semi-formal Social						
8:00 PM																																									Plenary and Opening Reception	Plenary/Dinner	Semi-formal Social			
9:00 PM																																												Plenary and Opening Reception	Plenary/Dinner	Semi-formal Social
10:00 PM	Plenary and Opening Reception																																													
11:00 PM		Plenary and Opening Reception										Plenary/Dinner																																		
12:00 AM			Plenary and Opening Reception	Plenary/Dinner	Semi-formal Social																																									

ITINERARY

The following is a short introduction to the various activities and events depicted in the matrix from the previous page. More detailed descriptions on many of the larger event categories, such as presentations and workshops, can be found in the [Event Specifics](#) section.

THURSDAY – Nice to Meet You!

8:00 am – 9:00 pm **Check-In** – Students receive conference packets, nametags, and have their photos taken for the student conference directory.

10:00 am – 5:00 pm **Georgia Aquarium/World of Coke Tour or High Museum of Art/Atlantic Station Tour** – Network with students and industry professionals while touring some of Atlanta’s cultural landmarks.

1:00 pm – 5:00 pm **Facility and Campus Tours** – See what Georgia Tech has to offer its students. Tour all of our technical facilities, as well as our other professional, academic, and athletic attractions. Can you recognize any Olympic landmarks?

Workshops – Several sessions will be offered, given by qualified persons from various fields of nuclear technology. Topics may include both technical and non-technical sessions.

6:00 pm – 8:00 pm **Plenary and Opening Reception** – A plenary involving the current and future plans of the nuclear industry with the focus on what lies in store for the Southeast, which includes a buffet-style dinner in the Georgia Tech Hotel ballroom. The plenary will focus on the reasons leading to the South’s emergence as the geographical leader of the nuclear renaissance. Specific speakers in consideration include **Dr. Sam Bhattacharyya**, director of newly recognized Savannah River National Laboratory, or **Mr. Jeff Gasser**, former Georgia Tech Alumni and Executive Vice President/Chief Nuclear Officer of Southern Nuclear Operating Company.

9:00 pm – 12:00 am **Game Night** – Students and professionals are invited to a casual night for meet and greet, with a generous helping of fun and games.

FRIDAY – Getting Down To Business

8:00 am – 9:00 am **Breakfast** – Get up and go with bagels, muffins, fresh fruit, and juice!

9:00 am – 12:00 pm **Presentations** – A variety of technical and non-technical topic tracks featuring student presentations. See the next section for more details.

Poster Fair – Poster sessions presenting a wide variety of research areas and interests.

Career Fair – Students can bring their resumes and meet with professionals representing various companies in the industry. Each company will have a table, while some will be granted interviewing privileges according to the level of sponsorship.

12:00 pm – 1:00 pm **Company-Sponsored Lunch** – Assorted boxed lunches with chips, cookies and a drink will be provided by a company. During this time, the sponsoring company will be able to present to the entire conference attendance.

SSC Meeting – Taking care of business! A special conference room will be reserved for SSC members to take a working lunch and hash out unfinished issues and whatnot.

1:00 pm – 5:00 pm Presentations

Facility and Campus Tours

Career Fair

6:00 pm – 8:00 pm Plenary and Dinner – Listen to a distinguished speaker presenting on the projected future of the industry and the role of students in that future.

9:00 pm – 12:00 am Relay for Life Fundraiser – Help support the American Cancer Society in a mini Relay for Life! See the Social Events section for more information.

SATURDAY – The Good Stuff!

8:00 am – 9:00 am Chick-fil-A Breakfast – Enjoy an Atlanta-landmark breakfast!

9:00 am – 12:00 pm Presentations

Technical Session

Career Fair

Interview Sessions – Companies who are granted interview rooms (according to sponsorship level) will have the ability to conduct interviews with students from the career fairs.

12:00 pm – 1:30 pm Lunch

Mentor Luncheon – Student attendees have the opportunity to meet with various graduate students attending Georgia Tech. Registration for this event will take place during conference registration online. The goal is to provide one-on-one or a few-on-one communication to students interested in Georgia Tech for graduate school. Really get to know GT and what it has to offer you!

1:30 pm – 6:00 pm Presentations

Technical Session

Career Fair

Interview Session

7:00 pm – 9:30 pm Closing Awards Banquet and Keynote Address – Conference attendees will be treated to a formal served dinner in the International Ballroom of the Hyatt Regency Hotel. A keynote address will be given and awards will be presented. Possible keynote speakers include **Dr. Dale Klein**, former chairman of the Nuclear Regulatory Commission, **Dr. Alan Waltar**, former president of the American Nuclear Society, and **Gwyneth Cravens**, author of the best-selling book *The Power to Save the World*.

10:00 pm – 2:00 am Semi-formal Social – Put your dancing shoes on and get ready to boogie as we throw a hip-hoppin' party in the Regency Ballroom! Learn how to dance Salsa with a lesson from the Georgia Tech Salsa Club! Local DJ's will provide the music. Also, dessert will be provided in the form of a giant chocolate fountain!

SUNDAY – All Good Things...

8:00 am – 10:00 am **Breakfast** – Two hours this time (in case anyone wanted to sleep in from the crazy party)!

8:00 am – 5:00 pm **Tour of Plant Vogtle** – See firsthand the nuclear renaissance at work! Construction efforts are already underway at the Alvin W. Vogtle Electric Generating Plant. Come see the first new nuclear construction in this country in over 20 years!

10:00 am – 6:30 am **Six Flags Day** – Enjoy the last few hours by visiting Six Flags Over Georgia! Buses running back and forth to campus ensure that people can have a little fun and still make it to the airport with time to spare.

STUDENT PRESENTATIONS

As one of the main functions of the ANS Student Conference, the student presentations will be centrally located in the Student Center. Presentations will be divided between several presentation rooms according to topic tracks to be determined at a later date. These topic tracks could be technical or non-technical in nature, and will be grouped according to general categories, such as neutronics research, thermal hydraulics research, advanced reactor concepts, medical physics, etc. The rooms will be equipped with projectors, screens, and audio capabilities, and will be arranged to accommodate up to 50 people. Each presentation will last approximately 15 minutes, with an additional 5 minutes for questions. Judges will be assigned to each topic track and will have a permanent table within the room to work.

WORKSHOPS

Three Workshop times have been identified within the conference schedule, with the goal being to host at least one technical workshop and one non-technical workshop. Examples of technical workshops under consideration include SCALE, nuclear forensics, nuclear safeguards, and image reconstruction techniques in nuclear medicine. Examples of non-technical workshops include effective presentation skills, technical writing, and maintaining a professional presence on the internet. Depending on response rate, the third time slot can be filled with an additional workshop, or could be used to provide a forum in which student sections share their accomplishments from the year and offer advice to other sections on outreach, philanthropy, etc.

FACILITY TOURS

On Thursday afternoon, tours of the Georgia Tech campus will be provided to interested conference goers. Tours will include walking the campus loop, which features many of the academic building discussed earlier, as well as a look into GT's impressive athletic facilities, added to campus during the 1996 Olympic Games. The tour will then visit the Nuclear and Radiological Engineering facilities, including:

- The newly renovated Boggs building
- AREVA Radiation Detection Laboratory
- Southern Nuclear Radiation Physics Laboratory
- Neutron Reference Field Laboratory
- Thermoluminescent Detector Laboratory
- PWR Axial Offset Anomaly Test Facility
- Plasma-facing Components Thermal-hydraulic Test Facility

CAREER FAIR

Taking place over Friday and Saturday, the Career Fair will feature exhibit stations for a plethora of companies representing various aspects of the nuclear industry. Depending on the level of corporate sponsorship, companies will be given varying amounts and types of space for exhibits. In addition, top tiered companies will have access to private conference rooms, adjacent to the large atrium housing the career fair exhibits, for on-the-spot interviews. The costs associated with the career fair will be defrayed by the company registration fees.

SPEAKERS

The following is a preliminary listing of possible speakers for the conference. In keeping with our theme of the South as the “Heartland of the Nuclear Renaissance,” we have selected speakers that would highlight why the South is at the forefront of this growth, as well as speakers that bring unique viewpoints of the nuclear community:

MR. JEFF GASSER

Jeff Gasser is the Executive Vice President and Chief Nuclear Officer of Southern Nuclear Operating Company, a subsidiary of Southern Company. In this role, he is responsible for oversight of all operational and regulatory activities related to Southern Company’s nuclear power plants: Joseph M. Farley Nuclear Plant, Edwin I. Hatch Nuclear Plant and the Alvin W. Vogtle Electric Generating Plant. He serves as chairman of the Nuclear Energy Institute’s Materials Executive Oversight Committee and serves on the Electric Power Research Institute PWR Materials Management Program Executive Committee. He is a member of the Institute of Nuclear Power Operations Executive Advisory Group and a member of the Nuclear Energy Institute’s Nuclear Strategic Issues Advisory Committee. Gasser also serves on the Nuclear Engineering Advisory Board and the Industrial Advisory Board at the University of South Carolina and is a member of Georgia Tech Advisory Board for Nuclear and Radiological Engineering and Medical Physics Programs. He is also a member of the Georgia Institute of Technology Academy of Distinguished Engineering Alumni. Gasser joined the Southern Company system in 1983 as a Junior Engineer at Plant Vogtle. Gasser attended Georgia Institute of Technology and received his Bachelor of Science in Mechanical Engineering. He definitely provides the perfect perspective for our conference theme: Living in the Heartland of the Nuclear Renaissance!



MS. GWYNETH CRAVENS



Gwyneth Cravens, writer and environmentalist, is the author of *Power to Save the World: The Truth About Nuclear Energy*. In the book, Cravens documents her eight-year journey through the nuclear world, her encounters with scientists from many different disciplines, and her shift from skeptic to supporter of nuclear power as the safest, greenest, and most efficient technology for large-scale mitigation of greenhouse gas emissions. Cravens has contributed articles on science and other topics to *The New Yorker*, *The New York Times*, *Harper's*, *The Washington Post*, *Discover*, *Huffington Post*, *The Brookings Institution Review*, and other publications. She worked as an editor at *The New Yorker* and as an associate editor at *Harper's*, and for several years she wrote a literary column for *The Nation*. Cravens’s riveting journey from anti-nuclear activist to an outspoken proponent of nuclear power technologies exemplifies the message that we, as the next generation of nuclear engineers, must convey: education about nuclear power can only lead to greater understanding and less fear.

DR. SAM BHATTACHARYYA

Dr. Sam Bhattacharyya became director of the U.S. Department of Energy's Savannah River National Laboratory for Savannah River Nuclear Solutions (SRNS) on August 1, 2008. In this position, he is responsible for the management, operations and planned growth of the laboratory. Bhattacharyya's technical credentials include a 29-year career at ANL, where he rose to the position of senior nuclear engineer. He has achieved international recognition for his technical work in advanced nuclear power systems for terrestrial and space applications, and he has been published widely and participated in national and international conferences. After leaving ANL, Bhattacharyya created his own technical and management services company, RENMAR Enterprises, Inc., which has a broad portfolio of private-sector and government clients. Bhattacharyya is a fellow of the American Nuclear Society and has served on several Department of Energy, Department of Defense and NASA advisory boards. He received a Bachelor's degree in Mechanical Engineering from the Indian Institute of Technology in Kharagpur, India. He also earned a Master's degree and Doctorate in Nuclear Engineering from the University of Wisconsin, as well as a Master's in Business Administration from the University of Chicago. He is also a registered professional engineer. Dr. Bhattacharyya now serves on the South Carolina Hydrogen and Fuel Cell Alliance's Board of Directors.



DR. ALAN E. WALTAR



Dr. Alan E. Waltar currently serves as Senior Advisor to the Pacific Northwest National Laboratory (PNNL) in Richland, WA, having recently retired as Director of Nuclear Energy. He was head of the Nuclear Engineering Department at Texas A&M University from 1998 to 2002, where he helped to build that program into the nation's largest Department of Nuclear Engineering. Dr. Waltar served as President of the American Nuclear Society from 1994-1995, and he was elected a Fellow of the Society in 1984. He holds a B.S. in Electrical Engineering from the University of Washington, an M.S. in Nuclear Engineering from MIT, and a Ph.D. in Engineering Science from the University of California, Berkeley. His distinguished career with Westinghouse Hanford Company included leadership positions in several areas of advanced reactor technology. He served on the faculty at the University of Virginia where, with Professor Albert Reynolds, he co-authored the Fast Breeder Reactors textbook. In addition to organizing numerous international technical conferences, Dr. Waltar has published over 75 open literature scientific articles. Dr. Waltar authored *America the Powerless: Facing Our Nuclear Energy Dilemma*, in 1995 and his most recent book, *Radiation and Modern Life: Fulfilling Marie Curie's Dream*, articulates the enormous beneficial uses of radiation to society.

DR. DALE E. KLEIN

Dr. Dale E. Klein was sworn into the U.S. Nuclear Regulatory Commission in July 2006. He was appointed Chairman by President George W. Bush and served in that role from July 1, 2006, to May 13, 2009. He is currently serving as a Commissioner. Before joining the NRC, Dr. Klein served as the Assistant to the Secretary of Defense for Nuclear and Chemical and Biological Defense Programs. He was appointed to this position by President George W. Bush and confirmed by the Senate on Nov. 8, 2001. In this position, he served as the principal staff assistant and advisor to the Secretary of Defense, Deputy Secretary of Defense, and the Under Secretary of Defense for Acquisition and Technology for all policy and planning matters related to nuclear weapons and nuclear, chemical, and biological defense. Previously, Dr. Klein served as the Vice-Chancellor for Special Engineering Programs at the University of Texas System and as a professor in the Department of Mechanical Engineering (Nuclear Program) at the University of Texas at Austin. During his tenure at the university, Dr. Klein was Director of the Nuclear Engineering Teaching Laboratory, Deputy Director of the Center for Energy Studies, and Associate Dean for Research and Administration in the College of Engineering.

Honors and awards Dr. Klein has received include Fellow of the American Society of Mechanical Engineers and the American Nuclear Society, the Joe J. King Professional Engineering Achievement Award; Engineer of the Year for the State of Texas, the University of Missouri Faculty-Alumni Award, and the University of Missouri Honor Award for Distinguished Service in Engineering. A native of Missouri, Dr. Klein holds a Bachelor's and Master's degree in Mechanical Engineering and a Doctorate in Nuclear Engineering, all from the University of Missouri-Columbia. He has published more than 100 technical papers and reports, and co-edited one book. He has made more than 300 presentations on energy and has written numerous technical editorials on energy issues that have been published in major newspapers throughout the United States.



PLANT VOGTLE TOUR



The evening skyline of the Alvin W. Vogtle Electric Generating Station

President Obama recently announced that the Department of Energy has offered conditional commitments for a total of \$8.33 billion in loan guarantees for the construction and operation of two new Westinghouse AP1000 reactors at the Alvin W. Vogtle Electric Generating Station near Waynesboro, Georgia. The construction of these reactors will be the first U.S. nuclear power plant growth to break ground in nearly three decades! What better way to learn about the future of our industry than to see this construction first-hand?

Georgia Tech has established a professional relationship with Plant Vogtle over the last three years, with our ANS section taking a tour of the plant each January and Vogtle hiring many recent GT Nuclear

and Radiological Engineering graduates. As a special treat for conference goers, our contacts at Vogtle have enthusiastically agreed to allow a tour during the conference. Attendees will leave Georgia Tech's campus around 8:00 AM on Sunday morning and arrive at Vogtle around 10:30-11:00 AM (Waynesboro is located about 2.5 hours from Atlanta) where they will be greeted by GT alumni currently working at the plant. A tour of the turbine room, cooling tower area, generating building and switchyard, control rooms, and the construction sites of the two new reactors is certainly a fitting end to the conference. Those who attend the plant tour would arrive back to the Hyatt no later than 5:00 pm.

The South truly is the birthplace of the coming nuclear renaissance. Come with us to Plant Vogtle and see the future of nuclear power in the United States!



GT ANS takes advantage of the great photo op!

SOCIALS

THURSDAY: STUDENT CENTER GAMES NIGHT

The Georgia Tech Student Center features many facilities with activities for all interests. The Tech Rec facility has bowling allies, pool tables, air hockey, Ping-Pong tables, foosball, and TVs set up specifically for video games. The Student Center Theater will be rented out to host a movie for those tired from all the travelling. Finally ANS will be hosting pin-trading and game night in the Student Center Ballroom. Tables will be set up with playing cards, Clue, Apples to Apples, Pictionary, and other fun games to provide the opportunity for students to get to know each other. In addition, the ballroom will house the university pin-trading activity. The focus here is a low-key, relaxed environment that really encourages interaction between students from all the universities.

FRIDAY: RELAY FOR LIFE FUNDRAISER

As part of our continuing commitment to outreach, Georgia Tech ANS would like to partner with the American Cancer Society for a mini Relay for Life. American Cancer Society representatives would be asked to attend part of the conference and to host a presentation/information session raising awareness of cancer statistics and how students can

help. We will also be selling Luminaries during the conference to be displayed during the Relay event to honor the loved ones lost to cancer. All proceeds will go to the American Cancer Society. During the Relay there will be theme laps and special race laps such as wheelbarrow and gunny sack races, all set to a fun atmosphere with music and snacks.

SATURDAY: DESSERT-DANCE SOCIAL

The Georgia Tech ANS chapter will host a semi-formal dance with a DJ in the hotel ballroom following the awards dinner. The dance will also feature a buffet of dessert foods, including a chocolate fountain to give students a great sugar fix for dancing the night away. In addition, the Georgia Tech Salsa club will be providing a crash course in dancing Salsa, which is one of the most popular club dances in Atlanta!

TOUR ATLANTA AFTERNOON



As a way to kick off the conference, relax after a day of travel, and begin to meet other students and professionals, GT ANS is planning to devote Thursday afternoon to touring Atlanta's downtown areas. Conference attendees can select between a World of Coke/Georgia Aquarium trip and a High Museum of Art/Atlantic Station trip. In either case, tickets would be purchased at the time of conference registration in order to secure group rates. Also, those that opt to participate in these tours will be responsible for providing their own

lunches during this time by visiting one of the many restaurants and eateries available close to both sets of locations.



World of Coke/Georgia Aquarium Tour

Visit the home of the most-recognized company in the world as well as the world's largest aquarium! Reduced rate tickets for a combined World of Coke and Georgia Aquarium pass can be purchased for \$35. Both venues are located a short walking distance from campus, directly down Centennial Olympic Park Drive. In addition, the Peachtree Center MARTA station can be used to access this tour spot and is located two blocks from Centennial Olympic Park.

High Museum of Art/Atlantic Station Tour

See wonderful art exhibits and then get in some shopping in Atlanta's newest and most fashionable shopping district! Tickets to the High Museum of Art can be purchased for \$13. Those that elect to visit the High Museum and then Atlantic Station can make use of the free Atlantic Station shuttle that departs from the Arts Center MARTA station directly outside the museum.



SIX FLAGS OVER GEORGIA



Six Flags over Georgia, one of Atlanta's famous attractions

Located just 20 minutes west of Georgia Tech, Six Flags over Georgia hosts a multitude of activities to keep anyone entertained all day. If you're the ultimate thrill seeker, Six Flags over Georgia boasts 38 total rides, nine of which are ranked as "max" thrill rides. Two of the more popular attractions include *Superman: Ultimate Flight*, in which the rider gets to feel the sensation of flying "faster than a speeding bullet" and "leaping tall buildings in a single bound". *Goliath* is as much as its name says, featuring a 200 foot drop, and that's just at the start of the ride.

Aside from roller coasters, Six Flags over Georgia has a variety of shows spaced throughout the operating day. The *Wild West Comedy Gun Fight Show* and the *Rockin' Rollin' Parade* are just two to schedule into your day. Shopping and restaurants are also very prominent and they are located around every corner of the park. There are 20 restaurants, featuring all types of cuisine to please any palate. And to stick to the superhero theme, one popular shop, *Daily Planet Gifts*, carries all types of superhero memorabilia.

Early Bird ticket prices for groups are \$27 per person. Tickets would not be included with the cost of registration. However, the tickets would need to be purchased at the time of registration and added on as an additional cost. Transportation to and from the park would be covered by the conference. Georgia Tech Stinger buses will be rented to transport students to and from the park. The tentative operating hours for the day are 10:30 am to 7:00 pm. Two to three Stingers would depart from the Georgia Tech Student Center at 10:00 am, with continual service between the Student Center and the park on-the-hour provided by at least one Stinger throughout the afternoon. Then, starting at 6:00 pm, two to three Stingers would begin bringing attendees back to campus, with the last bus departing at 7:00 pm.



The famous Goliath roller coaster soars high above the Atlanta skyline

CONFERENCE FACILITIES

Georgia Tech has several excellent venues that provide more than enough capacity to host the conference. The first of these venues is the Georgia Tech Student Center. The Student Center houses a ballroom on the third floor that has a capacity for 800 (lecture style) or 450 (banquet style). Along with the ballroom, there are seven fully-equipped classrooms that can hold approximately 60 people each. These rooms are ideal for the technical and non-technical presentation tracks. The ballroom can be split into segments to host two large conference events simultaneously, such as workshops.

The Student Center can be catered by on-campus catering services for lunches and has a food court downstairs that features all types of cuisine, including Atlanta's very own Chick-fil-A restaurant. Tech Rec is also located in the Student Center. This facility houses several activities such as bowling, pool tables, and an arcade, the perfect place for a fun Thursday night social! The Student Center itself is centrally located on campus, ensuring easy access from any direction off-campus.



The Student Center Ballroom provides large space that is capable of accommodating many of the conference's needs



The Klaus Advanced Computing Complex provides all the modern amenities needed

Another main venue of the conference is the Georgia Tech Hotel and Conference Center. Located in one of the newest parts of campus, the Georgia Tech Hotel has a 7,200 square-foot ballroom that can house 600 people (banquet style). This will be the location of the Thursday and Friday night dinners. Catering is provided through the hotel itself for this facility. The Georgia Tech Hotel is located in Tech Square, which offers a variety of retail shops and eateries with food ranging from pizza and burgers to barbeque and burritos.

Furthermore, Georgia Tech has brand new classroom buildings located throughout campus. The Klaus Advanced Computing Complex, located close to the Student Center, will be the site of the career fair and interview sessions, in addition to the poster fair. The Klaus building features an atrium and auditorium that can be opened so that conference goers may flow freely between the two areas. This combined space allows for almost 600 people at a single time, thus making it the perfect area to host the career fair exhibits. In addition, 11 conference rooms are located just down the hall from the atrium. These rooms can be used by companies to conduct private interviews on-the-spot.

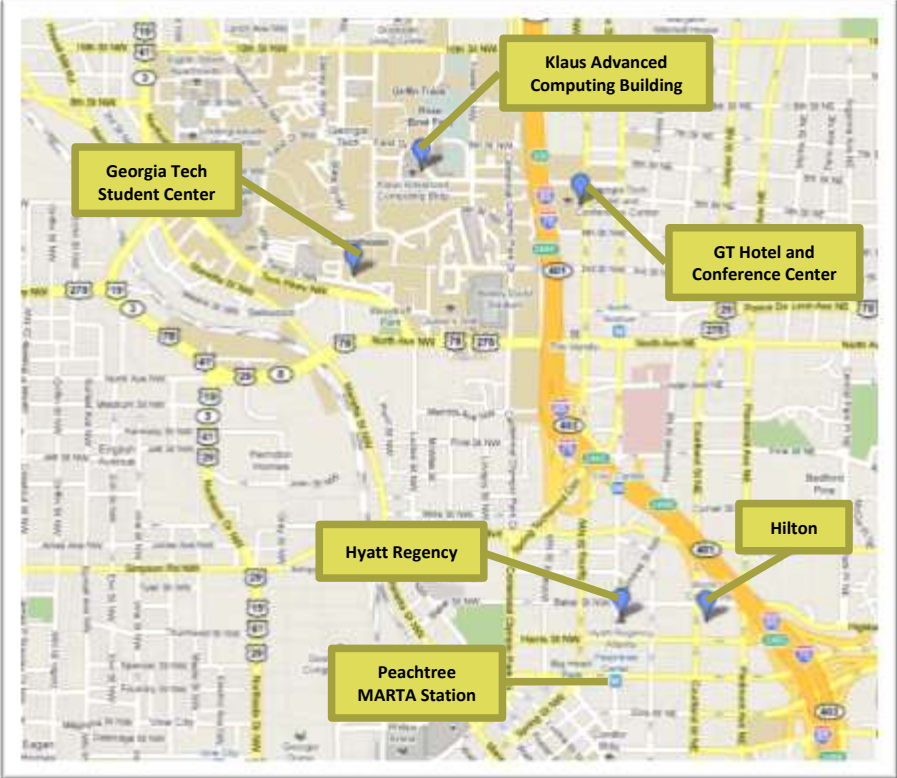
For the final dinner and closing ceremony on Saturday evening, we plan to use the Regency Ballroom within the Hyatt Regency Hotel. This ballroom comfortably seats almost 900 people in the traditional round table format. It can be set with a large stage for speakers and awards presentations, and, after dinner concludes, will be converted into a dance floor for the evening social.

A detailed schedule of room reservations for the conference is included in [APPENDIX E](#). This reservation schedule is color-coded to match the conference schedule of events shown earlier.



The Regency Ballroom in the Hyatt will serve as the site for the Closing Ceremonies

Finally, all of the aforementioned facilities are fully-equipped with projectors, presentation screens, audio setups, and computers. Internet access is readily accessible anywhere on campus through Georgia Tech’s LAWN network, a high-speed wireless network connected to the fastest and most-reliable internet service available to the public in the United States! For those who wish to procure internet access at the Hyatt, wired and wireless internet is available for approximately \$10 per day. For those wishing to explore campus on their own, navigating anywhere on campus is simple due to the Stinger bus service, which runs three routes throughout campus, in addition to the Tech Trolley which provides transportation between the busiest parts of campus, from the Campus Recreation Center (CRC) to Tech Square.



A map depicting the locations of all proposed conference facilities

We will be using the services of Georgia Tech Catering, Georgia Tech Hotel and Conference Center’s Catering Division, and the Hyatt Regency catering service to provide meals for conference goers. Menus were selected to accommodate a variety of dietary needs, including vegan and vegetarian options. The tentative sample menus are as follows:

**Thursday Opening Ceremony Buffet –
A Taste of the Mediterranean**

Salads/Appetizers

- Caesar Salad, Herb Croutons, Kalamata Olives, Grated Parmesan
- Antipasto Salad
- Tuscan Bean Salad
- Platter of sliced Vine Ripe Tomatoes with Fresh Mozzarella and Balsamic & Basil Oil
- Focaccia Rolls and Garlic Bread

Entrees

- Rigatoni Bolognese
- Grilled Catch with Tomatoes, Capers and Olives
- Herb Crusted Chicken Breast with Three Pepper Ragout
- Roasted Orzo Rice Pilaf
- Grilled Italian Style Vegetables

Dessert

Tiramisu, Amaretto Cake, Cannoli and Toscanella

Friday Breakfast

Muffin or bagel with cream cheese and butter
Minute Maid Juice
Whole fresh fruit
Granola bar

Friday Night Buffet – City-Style Blazin’ Barbeque

Salads/Appetizers

- Tossed Greens with assorted Toppings and Dressings
- Red Potato Salad and Macaroni & Cheese Salad
- Green Bean Salad or Cole Slaw

Entrees

- Blazin’ BBQ Chicken
- Grilled NY Strip Steaks with Wild Mushrooms
- Mahi-Mahi with Roasted Corn Relish
- Baked Potato Bar with a Variety of Toppings
- Baked Beans and Corn on the Cob

Dessert

Apple Pie, Peach Cobbler, Lemon Cake, Blondies, Brownies

Saturday Breakfast

Chick-fil-A breakfast sandwiches
Hash browns
Minute Maid juice

Saturday Closing and Awards Ceremony Semi-formal Served Dinner

Salad/Appetizer

Baby Greens w/ Red Wine Poached Pear, toasted Pine Nuts and edible Blossoms, Served with Tarragon Vinaigrette

Entrees

- Sautéed Chicken Breast in a Red Wine Demi with Kalamata Olives, Basil and Goat Cheese
- Horseradish Crusted Sliced Tenderloin with Ancho Pepper Glaze
- Sun Dried Tomato and Artichoke Ravioli
- Wilted Baby Spinach and Tomato-Olive Compote

Dessert

Chocolate Caramel Pyramid or Hot Fudge Sundae Cheese Cake

Sunday Breakfast

Muffin or bagel with cream cheese and butter
Minute Maid Juice
Whole fresh fruit
Granola bar

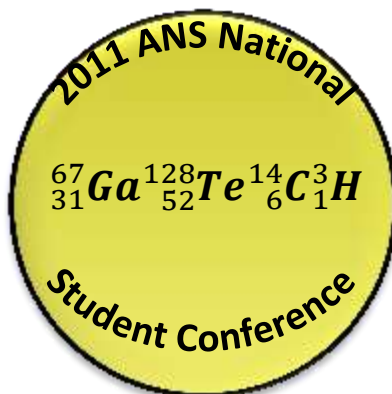


CONFERENCE DIRECTORY

In order to help those attending the conference to stay in touch and continue to network with one another, the Georgia Tech ANS is planning to create a Conference Directory for all students attending the conference. This directory would include the name, school and/or company, and email address of each attendee. Additional information could be provided during the registration online. At check-in on Thursday, pictures would be taken of each individual for the directory. The directory would be printed in color and would be distributed after the closing ceremonies on Saturday night. In addition, as part of our sponsorship marketing campaign, sponsors would be able to advertise within certain areas of the directory as determined by the level of sponsorship.

CONFERENCE PINS

In continuing the theme of cooperation and exchange, Georgia Tech ANS is excited to introduce a lapel pin trading event. We will ask all chapters to design and bring their own unique lapel pin to trade with other chapters at the conference, especially during the evening social events. We feel that trading lapel pins will strongly encourage inter-chapter interactions. We have attached the preliminary Georgia Tech ANS pin design below and will send out information to all the chapters about designing, pricing, and ordering to help them jump-start their pin design.



WEBSITE AND OTHER RELATED WEB MEDIA

A solid and reliable website is key to rapid and effective communication of information related to the conference. GT ANS currently maintains a website for its own day-to-day operations, and will create a website specific to the conference itself. This website will feature an integrated registration system, accommodations reservation portal, travel information, itineraries, bus routes and schedules, as well as Atlanta nightlife and attractions information. In addition, GT ANS is aggressively pursuing alternative forms of internet communication. GT ANS has established both a Twitter and Facebook profile, and uses both media to advertise important information or event schedules. These methods will be put to use for the conference as well. A preliminary website design is featured in [APPENDIX H](#).

GT ANS will also be rolling out bi-weekly, and eventually, weekly video blogs updating the public on our progress in preparing the conference. We also plan to feature special informational segments related to important conference events. Some examples included a crash course in using the MARTA train system to travel from the airport to the Hyatt Regency and sneak previews of campus locations to be used during the conference.

PRELIMINARY BUDGET

EXPLANATION OF BUDGET

For the 2011 Student Conference, we have created a preliminary budget of approximately \$187,000. This budget includes conservative estimates for food, facility fees, transportation, conference packets and informational materials, and various miscellaneous items, such as speaker gifts, mailing costs, advertisement costs, etc.

INITIAL ASSUMPTIONS

The following points have been assumed in the preparation of the proposed budget:

1. The use of the Regency Ballroom at the Hyatt is complimentary and does not require a space rental fee.
2. The use of the rooms within the Klaus building would be charged in the same fashion as an outside organization to account for cleaning and setup fees. We are in talks to establish a reduced facility rate for the conference, making the rates posted in the budget a ceiling price.
3. Prices for the Student Center rooms were totaled in the same way as the Klaus building so as to establish a price ceiling that may be negotiated for a flat conference rate.
4. Lunches for Friday and Saturday would be provided through company sponsorship (as a fundraising option).
5. Breakfast on Saturday would be donated by Chick-fil-A, a company that consistently supports organizations at Georgia Tech in this way.
6. Items assume the inclusion of tax, gratuity, etc. unless specifically stated otherwise.

REVIEW OF PAST YEARS' BUDGETS

The following table presents the predicted budgets and the amount of sponsorship received by the last few student conferences:

	Texas A&M			Florida			Michigan			Georgia Tech		
Year	2008			2009			2010			2011		
Estimated Cost	\$83,160.00			\$129,767.50			\$148,852.00			\$187,135.00		
Estimated Revenue	\$84,000.00			\$130,500.00			\$152,000.00			\$190,375.00		
<i>Proposed Sponsorship</i>	<i>Amount</i>	<i>#</i>	<i>Revenue</i>	<i>Amount</i>	<i>#</i>	<i>Revenue</i>	<i>Amount</i>	<i>#</i>	<i>Revenue</i>	<i>Amount</i>	<i>#</i>	<i>Amount</i>
- Tier 1	\$5,000	4	\$20,000	\$15,000	2	\$30,000	\$15,000	2	\$30,000	\$25,000	1	\$25,000
- Tier 2	\$3,000	6	\$18,000	\$10,000	3	\$30,000	\$10,000	3	\$30,000	\$15,000	2	\$30,000
- Tier 3	\$2,000	8	\$16,000	\$5,000	5	\$25,000	\$5,000	5	\$25,000	\$10,000	3	\$30,000
- Tier 4	\$1,000	10	\$10,000	\$2,500	7	\$17,500	\$2,500	5	\$12,500	\$5,000	7	\$35,000
- Tier 5	\$500	15	\$7,500	\$1,000	8	\$8,000	\$1,000	5	\$5,000	\$1,000	7	\$7,000
- Tier 6	--	--	--	--	--	--	\$500	6	\$3,000	\$500	8	\$4,000
Expected Total:	\$71,500			\$110,500			\$105,500			\$131,000		
<i>Actual Sponsorship</i>	<i>Amount</i>	<i>#</i>	<i>Revenue</i>	<i>Amount</i>	<i>#</i>	<i>Revenue</i>						
- Tier 1	\$15,000	5	\$75,000	\$25,000	2	\$50,000						
- Tier 2	\$10,000	4	\$40,000	\$15,000	2	\$30,000						
- Tier 3	\$5,000	8	\$40,000	\$10,000	3	\$30,000						
- Tier 4	\$2,500	8	\$20,000	\$5,000	15	\$75,000						
- Tier 5	\$1,000	9	\$9,000	\$1,000	10	\$10,000						
- Tier 6	--	--	--	--	--	--						
Actual Total:	\$184,000			\$195,000								

As seen, the amount of sponsorship for 2008 and 2009 was significantly underestimated in the respective proposals. While our budget calls for an increase in overall cost and revenue, we are only raising our anticipated sponsorship by approximately \$20,000 over the previous two years' proposals. This being said, the average sponsorship income from

2008 and 2009 is \$189,500. If we were to assume that we could successfully procure this average amount, we have underestimated our sponsorship income by \$58,500. This provides a safe margin of variance within the budget itself.

BUDGET CONTINGENCIES AND COMPENSATION PLANS

In creating this budget we have intentionally created a difference in expenditures and revenue so as to create a buffer in case of a revenue shortfall. In addition, we have marked several items as discretionary expenditures, which can be eliminated without sacrificing the most important aspects of the conference. In total, this leaves almost \$13,000 of “compensation room” in the event that our fundraising goals are not met.

In the event that there is a budget surplus, GT ANS will readjust the reimbursement for travel expenses to compensate for the increased revenue. In addition, the amount of money given back to the seed fund would be increased, if necessary.

TABLE OF EXPENDITURES

Category	Item	Price Per Unit	W	R	F	Sa	Su	Item Cost
Food	Breakfast	\$5.00 / meal	-	-	350	**	150	\$ 2,500.00
	Mentor Lunch	\$10.00 / meal	-	-	-	150	-	\$ 1,500.00
	Friday Dinner Buffet	\$16.00 / meal	-	-	450	-	-	\$ 7,200.00
	Opening Dinner Buffet	\$20.00 / meal	-	400	-	-	-	\$ 8,000.00
	Closing Dinner	\$63.00 / meal	-	-	-	525	-	\$ 33,075.00
	Social Food/Drinks	\$1,500.00						\$ 1,500.00
							Subtotal	\$ 53,775.00
Facilities	Student Center Ballroom	\$200.00 / 1 day rental	-	-	1	1	-	\$ 400.00
	Tech Rec	\$300.00 / 1 hr rental	-	4	-	-	-	\$ 1,200.00
	GT Hotel Grand Ballroom	\$200.00 / 1 day rental	-	1	1	-	-	\$ 400.00
	Klaus Auditorium	\$30.00 / 1 hr rental	-	-	10	10	-	\$ 600.00
	Klaus Atrium	\$30.00 / 1 hr rental	-	-	10	10	-	\$ 600.00
	Klaus Conference Rooms	\$30.00 / 1 hr rental	-	-	110	110	-	\$ 6,600.00
	Student Center Rooms	\$80.00 / 1 day rental	-	9	9	9	-	\$ 2,160.00
							Subtotal	\$ 11,960.00
Transportation	Travel Reimbursement	\$170.00 / person	425	-	-	-	-	\$ 72,250.00
	Chartered Bus Service	\$85.00 / 1 hr rental	-	45	45	45	45	\$ 15,300.00
	MARTA Passes	\$13.00 / person	425	-	-	-	-	\$ 5,525.00
	Speaker Reimbursement	\$750.00 / speaker	4	-	-	-	-	\$ 3,000.00
							Subtotal	\$ 96,075.00
Conference Package	T-shirts	\$5.00 / shirt	425	-	-	-	-	\$ 2,125.00
	Nametags	\$0.75 / nametag	600	-	-	-	-	\$ 450.00
	Conference Info Manuals	\$8.00 / manual	600	-	-	-	-	\$ 4,800.00
	Conference Directory	\$10.00 / directory	425	-	-	-	-	\$ 4,250.00
	Conference Pins	\$4.00 / pin	425	-	-	-	-	\$ 1,700.00
							Subtotal	\$ 13,325.00
Miscellaneous	Awards	\$5,000.00						\$ 5,000.00
	Speakers Gifts	\$400.00						\$ 400.00
	Mailings	\$600.00						\$ 600.00
	Marketing Costs	\$5,000.00						\$ 5,000.00
	Closing Social Audio/Video	\$1,000.00						\$ 1,000.00
							Subtotal	\$ 12,000.00
Total Estimated Costs								\$187,135.00

** Items marked in gold are discretionary expenditures that can be removed in the event of revenue shortfalls. Total amount of discretionary expenditures is \$9,700.

TABLE OF REVENUE

Category	Item	Price	Number Expected	Item Cost
Registration Fees	Student	\$25.00	425	\$ 10,625.00
	Professional	\$250.00	175	\$ 43,750.00
			Subtotal	\$ 54,375.00
Tiered Sponsorship	Tier 1 Contributions	\$25,000.00	1	\$ 25,000.00
	Tier 2 Contributions	\$15,000.00	2	\$ 30,000.00
	Tier 3 Contributions	\$10,000.00	3	\$ 30,000.00
	Tier 4 Contributions	\$5,000.00	7	\$ 35,000.00
	Tier 5 Contributions	\$1,000.00	7	\$ 7,000.00
	Tier 6 Contributions	\$500.00	8	\$ 4,000.00
			Subtotal	\$ 131,000.00
Other	ANS National Seed Money	\$5,000.00		\$ 5,000.00
			Subtotal	\$ 5,000.00
Total Estimated Revenue				\$190,375.00
SAFETY MARGIN				\$ 3,240.00

FUNDRAISING PLAN

Once it is formally decided that the conference will be held in Atlanta, a thorough letter-writing campaign and fundraising drive will begin to take place. While a significant portion of the conference budget will be fulfilled by registration fees from attending students and professionals, a great amount of financial support will come from large and small companies, power utilities, national laboratories, and other research institutions. These entities will be alerted to the scope and importance of this conference, and we believe, based on sponsorship numbers from the past several conferences as seen in the previous section, that there will be very little problem raising significant funds in order to meet our proposed budget. In addition, many faculty members in our department have prior connections to the nuclear industry, as many of them have previously worked for companies such as Westinghouse, General Electric, AREVA, and the Tennessee Valley Authority. They will provide significant guidance in our fundraising campaign.

As with many other professional conferences, a tiered sponsorship system will be put into place to encourage companies to help financially support this conference. At the highest level, employers will receive a priority location in the career fair, the largest number of private interview rooms, and many other useful advertising opportunities. Companies who choose not to participate in this system may also donate in the form of lunches or other event items. A company that chooses to sponsor either Friday or Saturday's lunch will have the opportunity to give a presentation during the meal.

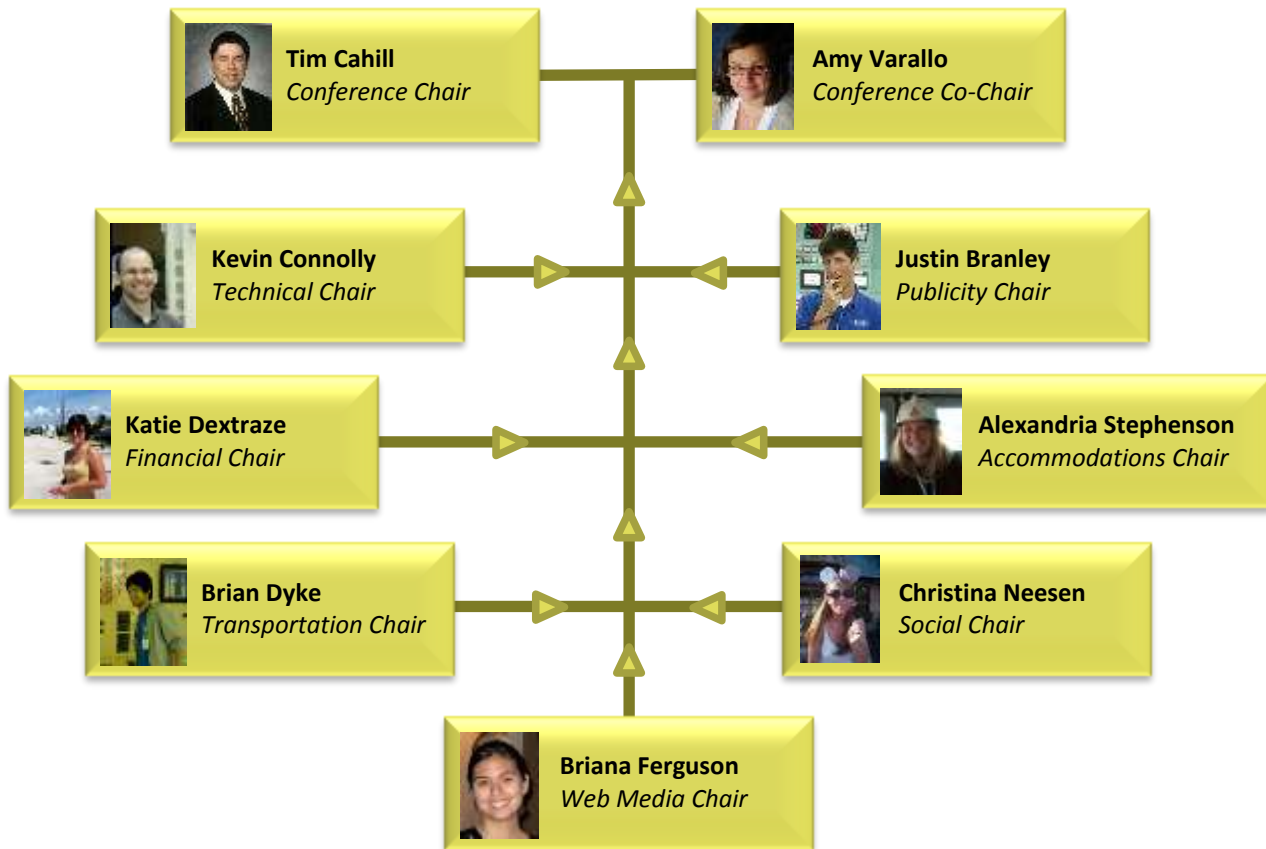
FINANCIAL OVERSIGHT

As a student organization, the Georgia Tech American Nuclear Society has a Student Foundation Account through the Institute. This will be the primary account used for conference transactions. By using this account, GT ANS has access to the financial services of Georgia Tech in organizing and tracking monetary flow for the conference. In order to create this account, ANS had to establish itself as a Charitable Organization according to the IRS Section 501(c)(3). GT ANS is looking into the process of establishing a tax-exempt status for the conference itself through the Campus Financial office. The Georgia Tech American Nuclear Society also has an account with Wachovia (A Wells Fargo Company) that is used for day-to-day business. This account will be utilized, if necessary, for smaller, day-to-day conference transactions.

CONFERENCE MANAGEMENT AND COMMITTEES

In order to accomplish all the tasks of hosting the ANS National Student Conference, the Georgia Tech student section has already established the infrastructure necessary to ensure the success of the conference, should our proposal be chosen.

MANAGEMENT STRUCTURE



All members of each committee shall report to their respective committee chairs. In the event that committee chairs are unable to resolve issues on their own, committee chairs shall report to the conference chairs for further instructions/clarification.

COMMITTEES AND RESPECTIVE RESPONSIBILITIES

The following is a breakdown of the committees and their respective functions:

- I. **CONFERENCE CHAIRPERSONS: TIMOTHY CAHILL (CHAIR), AMY VARALLO (CO-CHAIR)**
 - A. Provide overall direction and leadership
 - B. Set up general plan for conference and enforces deadlines
 - C. Serve as the primary contact for funding solicitation
 - D. Serve as the primary interface between the university and ANS headquarters
 - E. Serve as Master of Ceremonies for the Awards Banquet

- II. TECHNICAL COMMITTEE: KEVIN CONNOLLY (CHAIR)
 - A. Choose topics for technical sessions, organize sessions, and process abstracts
 - B. Approve paper, abstract, and presentation formats
 - C. Approve and publish presentation and paper evaluation criteria
 - D. Responsible for recruiting judges and distributing awards
- III. PUBLICITY COMMITTEE: JUSTIN BRANLEY (CHAIR)
 - A. Write articles for ANS and Nuclear News
 - B. Write press releases and public service announcements
 - C. Write announcements for school paper and radio stations
 - D. Design brochures and conference transactions
 - E. Write announcements for distribution to schools and student members
 - F. Arrange for advertisement space in local newspapers
 - G. Organize and conduct mass mailings, posting of flyers, and other publicity campaigns
- IV. FINANCIAL COMMITTEE: KATIE DEXTRAZE (CHAIR)
 - A. Adjust existing bank account to accommodate conference
 - B. Plan and conduct student registration
 - C. Assist with sponsor solicitation campaign
 - D. Track revenues and expenses
 - E. Write financial report for ANS headquarters
- V. ACCOMMODATIONS COMMITTEE: ALEXANDRIA STEPHENSON (CHAIR)
 - A. Reserve hotel, banquet space, and session rooms
 - B. Plan menu and social events
 - C. Run meals and conference reception
- VI. TRANSPORTATION COMMITTEE: BRIAN DYKE (CHAIR)
 - A. Evaluate and reserve transportation options for tours and Atlanta destinations
 - B. Work with hotel to arrange shuttles to campus
 - C. Aid with airline information for universities
 - D. Plan necessary MARTA access points and make information available to universities
- VII. SOCIAL COMMITTEE: CHRISTINA NEESEN (CHAIR)
 - A. Arrange technical and non-technical tours
 - B. Plan and execute student mixer and other social events
- VIII. WEB MEDIA COMMITTEE: BRIANA FERGUSON (CHAIR)
 - A. Design and maintain conference website
 - B. Manage conference registration system
 - C. Update social media outlets such as Twitter and Facebook
 - D. Create and publish conference video blogs
- IX. FACULTY/STAFF ADVISOR: DR. CHAITANYA S. DEO
 - A. Advise Committee on all aspects of conferences
 - B. Report all progress to department

Further information on the committee chairs is provided in [APPENDIX F](#) as a collection of photos and short biographies outlining leadership experience.

A LOOK AT LIABILITY

Liability is certainly an important concern when hosting a conference of this scope and magnitude. After speaking with the Risk Management Officer in the Business Services Department here at Georgia Tech, we have constructed an outline of where responsibility falls throughout the conference based on the location of events:

- For events hosted **on Georgia Tech's campus**, including all events within the Georgia Tech Student Center, Klaus Advanced Computing Building, and the Georgia Tech Hotel and Conference Center, liability is held by the Institute as long as equipment set-up and take-down are performed by facility employees (e.g. Audio/Video Tech crew, the Student Center facility management, etc.).
- If students wish to take advantage of the GT Stinger Shuttle service on campus, since it is considered an institutionally provided service, the Institute assumes responsibility for issues concerning passengers on these buses.
- For food provided **by GT Catering during these on-campus events**, the catering service itself assumes liability for any issues relating to the food (e.g. food poisoning).
- For the Saturday night closing dinner/dessert social **at the Hyatt Regency Hotel**, the Hyatt Regency assumes responsibility for the food provided as well as equipment and space issues occurring within the Regency Ballroom as long as these services are provided by organizations underneath the Hyatt (in-house AV service, in-house catering, etc.).
- For transportation of conference attendees **on the chartered bus service(s)**, the charter bus service(s) has appropriate insurance covering all of those riding on the bus itself.
- For those choosing **to ride MARTA public transit to/from the airport as well as using the weekend pass provided**, personal liability is assumed.

If chosen to host the conference, we plan to discuss with ANS National what liability the organization can assume in relation to the conference. We will also return to the Business Service Department to coordinate liability discussion between Georgia Tech and ANS National.

IN CONCLUSION

Georgia Tech and Atlanta offer a one-of-a-kind experience into the rekindling of the nuclear fire in the United States. We have shown within this proposal the leadership and vision with which we plan to execute the 2011 Student Conference. Last year, we left the judging committee with an intricate acrostic demonstrating our enthusiasm and passion to host the conference. Since then, we, like the industry, have grown, and we have developed a way to convey our message in a more efficient manner (as all good engineers do):

Georgia Tech equals
leadership and vision for
the nuclear rebirth



Dr. Chaitanya Deo
Nuclear & Radiological Engineering & Medical Physics Programs

March 3, 2010

Dear Students Sections Committee, ANS Education & Training Division:

I am writing this letter for the ANS Student Section at the Georgia Institute of Technology, to support their bid to organize the 2011 ANS Student Conference in Atlanta, GA. The ANS Student Section at Georgia Tech is a group of enthusiastic and very capable students, and I am confident that they will organize an excellent student conference. The same set of students applied for the 2010 ANS Student Conference last year and received good reviews from the Committee although the conference bid was not selected. Hopefully this year, they will be rewarded for the hard work they have put into organizing this bid.

Over the years, the student body of Georgia Tech has been involved with ANS activities in a number of ways. We send students to the ANS meetings on a regular basis. The local ANS student section has also taken new initiatives, such as annuals visit to a nuclear power station and outreach to area high schools. Our undergraduate enrollment has increased significantly over recent years, and we are currently one of the leading schools in the areas of Nuclear & Radiological Engineering and Medical Physics.

Georgia Tech is a multidisciplinary world leading institution of higher learning and is one of the nation's top universities, distinguished by its commitment to improving the human condition through the advancement of science and technology. Georgia Tech is consistently ranked in the U.S. News and World Report's top ten public schools. The Institute offers many nationally recognized top ranked programs. The Nuclear and Radiological Engineering (NRE) program in the George W. Woodruff School at Georgia Tech is one of the premier nuclear education programs in the country.

The present group of ANS students is very enthusiastic and very capable. One of our faculty members, Dr. Bojan Petrovic, is deeply involved with the ANS Reactor Physics division and was one of the main organizers of the 2009 ANS Summer Meeting in Atlanta, GA. I will of course support the students' effort in any way I can. Thus, I am confident we have a very good package of eagerness, capability, and experience to make the 2011 ANS Student Conference a success!

A handwritten signature in blue ink, appearing to read "Chaitanya Deo".

Sincerely,

Chaitanya Deo
Assistant Professor
Nuclear & Radiological Engineering and Medical Physics Program
Georgia Institute of Technology
ANS Student Section Faculty Advisor

The George W. Woodruff School of Mechanical Engineering
801 Ferst Drive, Atlanta, Georgia 30332-0405 USA
EMAIL: chaitanya.deo@nre.gatech.edu

<http://www.nre.gatech.edu>
PHONE 404-385-4928
FAX 404-894-8496

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Farzad Rahnema, Professor and Chair
Nuclear & Radiological Engineering & Medical Physics Programs

February 16, 2010

To the American Nuclear Society Student Sections Committee:

I am pleased to extend my strong support for the Georgia Tech American Nuclear Society student chapter in their bid to host the 2011 National Student Conference.

During the past few years, our faculty has worked hard alongside our dedicated student organizations like the American Nuclear Society to improve and enhance our academic programs. The nuclear engineering program developed two new graduate courses in fast reactors and radiation and has revived a graduate nuclear materials course. A series of three undergraduate courses have been revised to expand and further strengthen the coverage of reactor physics and related advanced mathematics, based on feedback provided by our students. In addition, the department has partnered with Oak Ridge National Laboratory to develop a nuclear safeguards course in which students travel to ORNL for a week to participate in hands-on activities and experiments.

The program successfully proposed and received funds from the Institute to expand the AREVA Radiation Detection Laboratory and to purchase workstations for the new computational radiation treatment planning laboratory. The five-year Department of Energy and Industry matching grant program, which was completed last year, generated 243 undergraduate scholarships and a topping graduate fellowship. It also supported research in thermal hydraulics, laboratory renovation, equipment upgrades, and student travel to technical conferences.

Within the last year, the ANS Student Chapter has been very active in promoting the aforementioned goals of the Nuclear and Radiological Engineering department. They have participated in community outreach programs with local schools and Boy Scout troops, hosted social events within the department, and arranged for speakers to present on important and cutting-edge topics, as well as organized tours of Plant Vogtle in Waynesboro, Georgia, and the NRC Technical Training Center in Chattanooga, Tennessee.

The George W. Woodruff School of Mechanical Engineering
Atlanta, Georgia 30332-0405 USA
farzad@gatech.edu

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<http://www.rmp.gatech.edu>
<http://www.me.gatech.edu>

PHONE 404-894-3731 or 3718
FAX 404-894-3733

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I have the utmost confidence that our student chapter of the American Nuclear Society is responsible, committed, and fully capable of executing this conference. This conference will certainly be beneficial not only to Georgia Tech, but to the entirety of the nuclear industry in this country. Please give the Georgia Tech proposal to host the American Nuclear Society National Student Conference your highest consideration.

Best regards



Farzad Rahnema
Professor/Chair, NRE/MP Programs

/FR



Dear Committee Members:

I am delighted to share my strong support for the Georgia Tech American Nuclear Society student chapter in their bid to host the 2011 National Student Conference.

The Georgia Tech ANS chapter has pioneered outreach to area high schools by visiting with students and encouraging bright students to pursue careers in engineering and science fields. On campus, the GT ANS has played important roles in bringing distinguished speakers to present and lecture on a variety of topics on and related to the importance of the nuclear industry to the future of this country.

Two summers ago, I spent a week as a participant in a tour of France's nuclear energy infrastructure sponsored by the French section of the American Nuclear Society. France's nuclear power program is very impressive, and this experience gave me a deeper appreciation of the tremendous benefits of nuclear energy. With the rebirth of the United States nuclear industry centered in the Southeast, our Nuclear and Radiological Engineering program has a unique opportunity for national and international leadership. We already have the second largest undergraduate Nuclear Engineering program in the United States, and we are focusing on growing our graduate programs. An interdisciplinary approach that leverages Georgia Tech's breadth and depth of technical expertise in such areas as materials, fuel cycles and separations, sensors, large-scale systems and design, bioengineering, and the medical application of nuclear materials will be an important key to our future success. The U.S. nuclear renaissance also requires that Mechanical, Electrical, Civil, and Chemical Engineering undergraduate students be exposed to and educated in the basics of nuclear power. This provides our program with exciting opportunities to make a major impact at the undergraduate level.

Georgia Tech and Atlanta are well equipped to handle the demands of a national conference of this magnitude. The Woodruff School of Mechanical Engineering is pleased to support the Georgia Tech ANS student section if chosen to host this conference.

Sincerely,

A handwritten signature in black ink, appearing to read "William J. Wepfer".




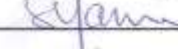


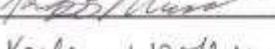
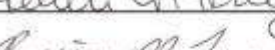

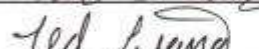





William J. Wepfer
Eugene C. Gwaltney Jr. School Chair
The George W. Woodruff School of Mechanical Engineering
Atlanta, Georgia

The George W. Woodruff School of Mechanical Engineering
Atlanta, Georgia 30332-0405 USA
<http://www.me.gatech.edu/>

PHONE: 404.894.3200
EMAIL: bill.wepfer@me.gatech.edu

APPENDIX B: STUDENT SUPPORT

I pledge my help and support to the American Nuclear Society, Georgia Tech Student Chapter in hosting the 2011 ANS Student Conference.

NAME	SIGNATURE
Christina Neeson	
Donald Teber	
Cheonho Bae	
Saam Yasseni	
Will Nalundorog	
Wenhao Wu	
Richard Meshell	
Kalen Terry	
Briana Ferguson	
Brian Dyke	
Ted Liang	
Matty Litvack	
Katie Studdenbenz	
Alex Moore	
Tejas Kotak	

I pledge my help and support to the American Nuclear Society, Georgia Tech Student Chapter in hosting the 2011 ANS Student Conference.

NAME	SIGNATURE
Anna McLendon	Anna McLendon
Samantha P. Smalley	Samantha P. Smalley
Megan Schroeder	Megan Schroeder
DAVID LOGAN	David Logan
Katherine Dextraze	Katherine Dextraze
Michael Stull	Michael Stull
Jonathan Barth	Jonathan Barth
Amy Varallo	Amy Varallo
Daniel Mangione	Daniel Mangione
Arfa Butt	Arfa Butt
Francesca Grammens	Francesca Grammens
John Andrew	John Andrew
MARY KONNACK	Mary Konnack
Zachary Glass	Zachary Glass
Chris Verso	Chris Verso
Alexandria Stephenson	Alexandria Stephenson
Ryan Hen	Ryan Hen
Louis Wright	Louis Wright
Brendan Carnoy	Brendan Carnoy
Chase Varnadoe	Chase Varnadoe
Omoruyi Obashe	Omoruyi Obashe
Nicholas White	Nicholas White
Ray Connors	Ray Connors

I pledge my help and support to the American Nuclear Society, Georgia Tech Student Chapter in hosting the 2011 ANS Student Conference.

NAME	SIGNATURE
David Zabriske	David Zabriske
Bobatuine Adun	Adun
Rachel Shapiro	Rachel Shapiro
Tyler Muma	Tyler Muma
Rusti Anne Terry	Rusti Anne Terry
Francisco Ventura	Francisco Ventura
Alex Trirkell	Alex Trirkell
Astin Kates	Astin Kates
Matt Marchese	Matt Marchese
Austin Wallach	Austin Wallach
Kam Yu Lee	Kam Yu Lee
Sam Hammond	Sam Hammond
Lindsay Cook	Lindsay Cook
Erik Pearson	Erik Pearson
Craig Martin	Craig Martin
Christine Hany	Christine Hany
Jake Patel	Jake Patel
James Tolinszic	James Tolinszic
Kyle Aubrey	Kyle Aubrey
Kevin Mahan	Kevin Mahan
Cathy Nguyen	Cathy Nguyen

I pledge my help and support to the American Nuclear Society, Georgia Tech Student Chapter in hosting the 2011 ANS Student Conference.

NAME	SIGNATURE
Sheree Tamaklo	Sheree A. Tamaklo
Thomas Staker	Thomas Staker
Matthew Williams	Matthew Williams
Matthew Johnson	Matthew Johnson
Xavier Francis	Xavier Francis
Babatunde Adigun	Babatunde Adigun
Steven Zabo	Steven Zabo
Michael Blanton	Michael Blanton
Spenser Lewis	Spenser Lewis
Chaitanya Deo	Chaitanya Deo
Shyamal Shah	Shyamal Shah
Michael Saunders	Michael Saunders
Jack Bell	Jack Bell
Christina Hamm	Christina L. Hamm
Margaret Suckbirtle	Margaret Suckbirtle
Christopher Saffari	Christopher M. Saffari
Tim Flaspoehler	Tim Flaspoehler

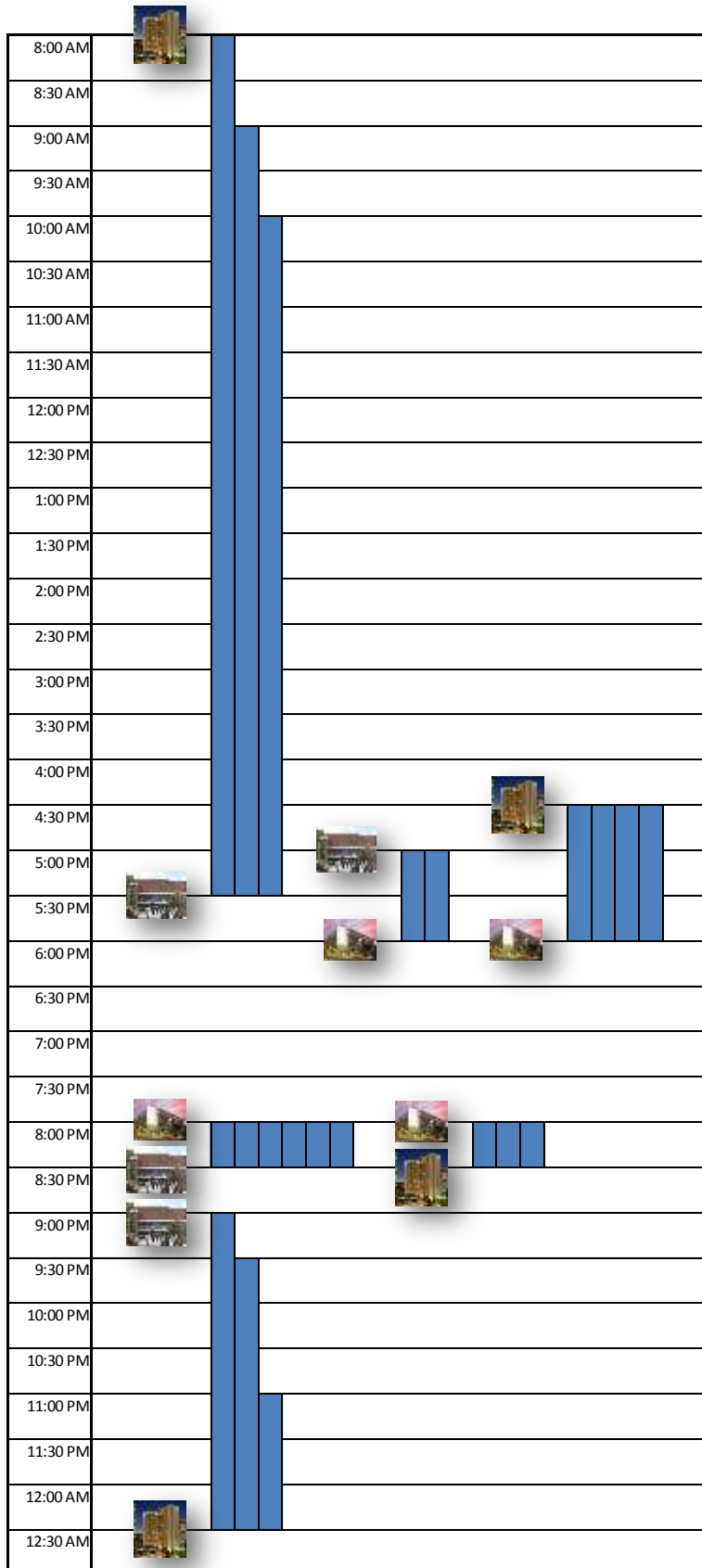
APPENDIX C: CALENDAR OF CONFLICTS

	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	
MARCH	27	28	1	2 Michigan, Texas A&M	3	4	5	
					PROPOSED CONFERENCE DATE 2			
	6	7	8	9	10	11	12	
			Florida, Penn State, Vanderbilt, Virginia Tech, South Carolina					
	13	14	15	16	17	18	19	
		Arizona, Maryland, NC State, UNLV, New Mexico, Purdue, RPI, USNA, USMA, Wisconsin, Tennessee, Minnesota, Iowa State, UT-Austin						
		Cincinnati, Ohio State, Oregon State						
		Pittsburgh Conference and Expo 2011						
	20	21	22	23	24	25	26	
		Idaho State, Illinois, Kansas State, MIT, UC Berkeley, Utah, Georgia Tech				PROPOSED CONFERENCE DATE 3		
27	28	29	30	31	1	2		
	Missouri-Rolla, Missouri S&T							
3	4	5	6	7	8	9		
	Wrestlemania		PROPOSED CONFERENCE DATE 1					
10	11	12	13	14	15	16		
17	18	19	20 LSU	21	22	23		
APRIL								

University spring break weeks are colored in red. University final exam weeks are colored in blue. Major area events are colored in green. The proposed conference dates were picked such that the least amount of conflict was achieved. The second and third choice conflict with some schools' spring breaks, including our own; however, due to the large city-wide conflicts on other dates, which make it extremely difficult to book affordable accommodations, we feel that the conference would be better executed during those chosen secondary and tertiary times, if the primary date selection is not acceptable.

APPENDIX D: SAMPLE BUS TRANSIT SCHEDULE

Bus Service Flow
Thursday



This diagram represents the sample flow of a bus system during the conference. Buses are assumed to carry approximately 40 people. The trip routes have been selected to avoid rush hour traffic jams, and will typically last 10-15 minutes one way. Assuming 5-minute unloading/loading times, the following schedule meets the expected capacity of riders to and from each location, represented by the thumbnails. In this instance, the Hyatt Regency, the Student Center, and the GT Hotel and Conference Center are represented.



Hyatt Regency



Student Center



GT Hotel and Conference Center

APPENDIX E: CONFERENCE ROOM/SPACE SCHEDULE

Day	Location	Room	Capacity	Type	Purpose	8:00 AM	8:30 AM	9:00 AM	9:30 AM	10:00 AM	10:30 AM	11:00 AM	11:30 AM	12:00 PM	12:30 PM	1:00 PM	1:30 PM	2:00 PM	2:30 PM	3:00 PM	3:30 PM	4:00 PM	4:30 PM	5:00 PM	5:30 PM	6:00 PM	6:30 PM	7:00 PM	7:30 PM	8:00 PM	8:30 PM	9:00 PM	9:30 PM	10:00 PM	10:30 PM	11:00 PM	11:30 PM	12:00 AM			
Thursday	Hyatt Regency Hotel	General Meeting Space	400	Large Open Area	Check-In																																				
	Georgia Tech Student Center	Theater	196	Theater	Technical Session/Evening Social																																				
	Georgia Tech Student Center	Ballroom	500	Banquet Tables	General Organization Area/Evening Social																																				
	Georgia Tech Student Center	Tec Rec Recreation Center	200	Rec Center	Evening Social																																				
Friday	Georgia Tech Hotel and Conference Center	Grand Ballroom	600	Banquet Tables	Plenary/Opening Reception																																				
	Georgia Tech Student Center	Grand Ballroom	500	Banquet Tables	Breakfast/Organization Area/Lunch/Relay Social																																				
	Klaus Advanced Computing Building	Atrium	370	Exhibit	Career Fair/Poster Fair																																				
	Klaus Advanced Computing Building	Room 1116	200	Exhibit	Career Fair/Poster Fair																																				
	Klaus Advanced Computing Building	Room 1123	14	Conference	Company Interviews																																				
	Klaus Advanced Computing Building	Room 1202	10	Conference	Company Interviews																																				
	Klaus Advanced Computing Building	Room 1212	14	Conference	Company Interviews																																				
	Klaus Advanced Computing Building	Room 1315	14	Conference	Company Interviews																																				
	Klaus Advanced Computing Building	Room 1325	8	Conference	Company Interviews																																				
	Klaus Advanced Computing Building	Room 2100	12	Conference	Company Interviews																																				
	Klaus Advanced Computing Building	Room 2108	12	Conference	Company Interviews																																				
	Klaus Advanced Computing Building	Room 2126	8	Conference	Company Interviews																																				
	Klaus Advanced Computing Building	Room 3100	12	Conference	Company Interviews																																				
	Klaus Advanced Computing Building	Room 3108	8	Conference	Company Interviews																																				
	Klaus Advanced Computing Building	Room 3402	12	Conference	Company Interviews																																				
	Georgia Tech Student Center	Crescent Room	55	Lecture Seating	Presentations																																				
	Georgia Tech Student Center	Piedmont Room	60	Lecture Seating	Presentations																																				
	Georgia Tech Student Center	Room 301	60	Lecture Seating	Presentations																																				
	Georgia Tech Student Center	Room 319	60	Lecture Seating	Presentations																																				
	Georgia Tech Student Center	Room 320	60	Lecture Seating	Presentations																																				
Georgia Tech Student Center	Room 321	60	Lecture Seating	Presentations																																					
Georgia Tech Student Center	Room 332	24	Conference	SSC Meeting/Other Small Meetings																																					
Georgia Tech Student Center	Room 343	50	Lecture Seating	Presentations																																					
Georgia Tech Student Center	Room 359	20	Conference	Small Meetings																																					
Georgia Tech Hotel and Conference Center	Grand Ballroom	600	Banquet Tables	Plenary/Dinner																																					
Saturday	Hyatt Regency Hotel	Regency Ballroom	900	Banquet/Dance Floor	Closing Ceremony																																				
	Georgia Tech Student Center	Theater	196	Theater	Technical Sessions																																				
	Smithgall Student Services Building	Room 117	150	Theater	BACKUP for Technical Sessions																																				
	Klaus Advanced Computing Building	Atrium	370	Exhibit	Career Fair/Poster Fair																																				
	Klaus Advanced Computing Building	Room 1116	200	Exhibit	Career Fair/Poster Fair																																				
	Klaus Advanced Computing Building	Room 1123	14	Conference	Company Interviews																																				
	Klaus Advanced Computing Building	Room 1202	10	Conference	Company Interviews																																				
	Klaus Advanced Computing Building	Room 1212	14	Conference	Company Interviews																																				
	Klaus Advanced Computing Building	Room 1315	14	Conference	Company Interviews																																				
	Klaus Advanced Computing Building	Room 1325	8	Conference	Company Interviews																																				
	Klaus Advanced Computing Building	Room 2100	12	Conference	Company Interviews																																				
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	Klaus Advanced Computing Building	Room 2126	8	Conference	Company Interviews																																				
	Klaus Advanced Computing Building	Room 3100	12	Conference	Company Interviews																																				
	Klaus Advanced Computing Building	Room 3108	8	Conference	Company Interviews																																				
	Klaus Advanced Computing Building	Room 3402	12	Conference	Company Interviews																																				
	Georgia Tech Student Center	Grand Ballroom	500	Banquet Tables	Breakfast/General Organization Area/Company Lunch																																				
	J. Erskine Love Manufacturing Complex	3rd Floor Atrium	100	Banquet Tables	Mentor Luncheon																																				
	Georgia Tech Student Center	Crescent Room	55	Lecture Seating	Presentations																																				
	Georgia Tech Student Center	Piedmont Room	60	Lecture Seating	Presentations																																				
Georgia Tech Student Center	Room 301	60	Lecture Seating	Presentations																																					
Georgia Tech Student Center	Room 319	60	Lecture Seating	Presentations																																					
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Georgia Tech Student Center	Room 321	60	Lecture Seating	Presentations																																					
Georgia Tech Student Center	Room 332	24	Conference	Small Meetings																																					
Georgia Tech Student Center	Room 343	50	Lecture Seating	Presentations																																					
Georgia Tech Student Center	Room 359	20	Conference	Small Meetings																																					
Sunday	Hyatt Regency Hotel	General Meeting Space	400	Large Open Area	Breakfast/General Organization Area																																				



TIM CAHILL
Conference Chair

Tim is finishing his Bachelor of Science degree in Nuclear and Radiological Engineering this May. As a member of the 5-year program, he will continue his studies at Georgia Tech next year, working to earn an M.S. in Nuclear Engineering. Tim has been involved with GT ANS since his freshman year, serving as the Secretary during his sophomore year and as the President for the last two years. He is also the Chair of the Nuclear and Radiological Engineering Student Advisory Committee. Last year he attended the 2009 Student Conference at the University of Florida.

Tim has had ample experience in the successful execution of large conferences. Throughout his high school and college years, Tim has volunteered as a Facilitator for the Hugh O'Brien Youth (HOBY) Leadership program for the north Florida region. This conference, taking place over three days, hosts nearly 200 high school sophomores and instructs them in various leadership skills. Here on campus, as a member of the Georgia Tech Honors Program, Tim has participated in the organization of the annual Fall Retreat since its inception three years ago. His duties have included arranging detailed retreat logistics and managing the preparation of meals for over 100 people during the weekend.

Elsewhere at GT, Tim has been involved with the Student Government Association, serving as a freshman representative within the FRESHGA organization. He has served as the Treasurer and currently serves as the Vice-President and instructor of the GT Salsa Club. In addition, Tim has been a member of the GT Salsa Performance Team for the last two years.



AMY VARALLO
Conference Co-Chair

Amy is completing her third year at Georgia Tech. She is currently pursuing a B.S. in Nuclear and Radiological Engineering with a minor in French and an accelerated M.S. in Medical Physics through Tech's 5-year program. Amy has been the Vice-President of the Georgia Tech American Nuclear Society for two years, and she is also a member of the Nuclear and Radiological Engineering Student Advisory Committee. Last year she attended the 2009 Student Conference at the University of Florida, and she was a co-author for a paper presented at the 2009 ANS Annual Meeting in Atlanta. She is also involved with the engineering honors society Tau Beta Pi, and in her free time she enjoys horseback riding and pistol marksmanship.

Amy's planning experience includes serving as an advisor to the United States Presidential Scholars Program for the last two years. Her duties have included planning National Recognition Week activities for over 200 people and personally supervising 20 scholars. She has also volunteered in the organization and execution of the Georgia Tech President's Scholarship Weekend, held each March for nearly 150 students from across the country.

Amy and Tim were instrumental in starting the newest course offered by the NRE department: GT1000. This freshman seminar has dramatically increased student participation within the various departmental organizations and has served to expose first-semester students to many aspects of the program at Georgia Tech as well as the nuclear industry in general. Many ANS officers, including several conference committee chairs, served as advisors during the first offering of this course.



KEVIN CONNOLLY

Technical Chair

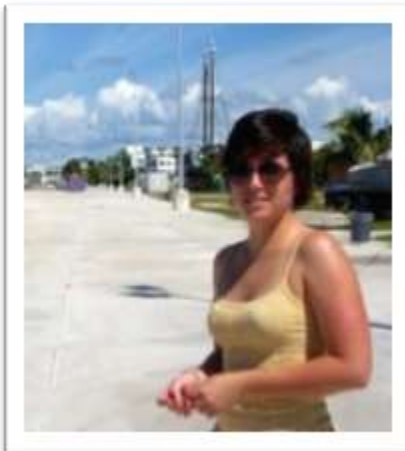
Kevin, originally from Massachusetts, attended GT for his undergraduate education, receiving a Bachelor of Science degree with highest honors in Nuclear and Radiological Engineering, and he is now a second year PhD student. He is an NEUP Graduate Fellow and is currently working under Dr. Farzad Rahnema, chair of the department. Kevin is on the Nuclear and Radiological Engineering Student Advisory Committee. He has served as the GT ANS Graduate Student Liaison for the last two years.



JUSTIN BRANLEY

Publicity Chair

Justin is a fourth-year Nuclear and Radiological Engineering major who hails from New Orleans. He has interned with Entergy and the Nuclear Regulatory Commission. Justin has been involved with ANS for several years, currently serving as the Public Outreach Officer, and he has held the positions of Secretary and Treasurer in the past. Justin established GT ANS's relationship with Plant Vogtle three years ago, and has since strengthened that relationship through the annual Plant Vogtle day. His areas of interest in the nuclear industry include regulation and nuclear materials. For fun, Justin follows all of the Atlanta Thrashers hockey games, is an avid fan of the Atlanta Braves, and competes on the Georgia Tech Fencing Team.



KATIE DEXTRAZE

Financial Chair

Katie is finishing her third year at Georgia Tech, majoring in Nuclear and Radiological Engineering and also pursuing an accelerated Master of Science in Medical Physics. She has been Treasurer for Georgia Tech's American Nuclear Society and a Teaching Assistant for Introductory Physics since Fall 2008. This semester, she served as the Chair of the Finance committee, creating projected costs and preparing an account for the 2011 Student Conference.



ALEXANDRIA STEPHENSON

Accommodations Chair

Alexandria began her college career during her junior year of high school in an accelerated program at Middle Georgia College, and during the five years since she has switched her major from Biology to Management and finally found her home in Georgia Tech's Nuclear and Radiological Engineering department. Some leadership positions she has held in the past include president of Club Math, Alumni Chair of Pi Epsilon Phi, President of Harris Hall Council, Social Chair for Harris Hall Council, and President of Grace Hall Dorm Council. She is an active member of the Georgia Tech Chamber Choir and Chorale, has been a member of the GT Women's Recruitment Team, and loves showing off Tech's campus as a tour guide!



BRIAN DYKE

Transportation Chair

Brian Dyke is a third year undergraduate student originally from North Augusta, South Carolina. He has been involved in ANS since his freshman year and is currently the chapter's Secretary. He attended the 2009 Student Conference at the University of Florida and served as a Student Assistant at the 2009 Annual Meeting in Atlanta. Brian is also a member of the NRE Student Advisory Committee, a Team Leader for the nuclear engineering section of GT1000 and is a DJ for WREK Atlanta 91.1 FM.



CHRISTINA NEESEN

Social Chair

Christina Neesen is a fourth year undergraduate student from Belle Plaine, Kansas. Currently Christina is serving as the ANS Social Chair. In 2009 she planned the student social for the Annual ANS Summer Meeting. She was also a Team Leader for the Nuclear and Radiological Engineering GT 1000 class, a freshman orientation class, in the fall of 2009. Outside ANS, Christina is involved with the Christian Campus Fellowship and enjoys playing intramural sports such as volleyball, flag football, basketball, and wallyball.



BRIANA FERGUSON

Web Media Chair

Briana Ferguson began her college career 4 years ago at Middle Georgia College, where she was involved in many volunteer projects as well as theatre. She was the secretary of Delta Psi Omega, the national two-year college theatre society, and she was instrumental in bringing the club back to Middle Georgia College. Briana's history at the Georgia Institute of Technology includes being a Team Leader for entering nuclear engineering majors, and she serves as the current Webmaster for Georgia Tech's ANS student chapter.

APPENDIX G: ACTION AND PLANNING TIMETABLE

	Task	Responsibility
Jan-10	Begin detailed work in refining proposal	General
Mar-10	Submit Proposal	
	Begin tentatively reserving event space	Accommodations
Apr-10	Hosts announced	--
	Meet with Department, School to discuss organization steps	Chairs
	Create detailed Action Timeline	Chairs
May-10	Define Sponsor levels/perks	Publicity/Financial
Jun-10	ANS Annual Meeting (Delegates to Division meetings)	General
	Obtain mailing list from previous conference	Publicity
Jul-10	Update mailing list (ANS/industry/schools/judges)	Publicity
	Send out first round sponsor solicitations by mail	Publicity/Financial
	Construct basic website and get it on-line	Web Media
	Design Conference Program booklet	Technical
Aug-10	Fundraiser Phone Solicitation	Publicity/Financial
	Update budget to account for sponsorship	Financial
	Confirm reservations at SC and GT Hotel Ballrooms	Accommodations
	Develop Registration Webpage	Web Media
	Publish to the website the requirements for papers, etc	Web Media
Sep-10	Send out guest speaker invitations	Chairs
	Design/Print brochures, letterhead, and graphics	Publicity
	Update budget to account for sponsorship	Financial
	Progress Report to SSC	Chairs
Oct-10	Secure financial commitment from ANS HQ	Financial
	Update budget to account for sponsorship	Financial
Nov-10	ANS Winter Meeting (Delegates to Division meetings)	General
	Update budget to account for sponsorship	Financial
Dec-10	Check on hotel reservations	Accommodations
Jan-11	Send out flyers and brochures to schools	Publicity
	Check on hotel reservations	Accommodations
	Confirm facilities reservations	Accommodations
	Add app form to website, send out email announcement	Web Media
Feb-11	Progress Report to SSC	Chairs
	All catering specifics selected	Accommodations
	Check on hotel reservations	Accommodations
	Have maps of campus and area (program and website)	Web Media
Mar-11	Send out press release to Technique	Publicity
	Name tags/posters	Publicity
	Arrange for sufficient tables/chairs/equipment/etc.	Accommodations
Apr-11	CONFERENCE	--
	Send thank you notes to guest speakers	Publicity
	Send Travel Reimbursement	Financial
	Send thank you notes to sponsors as they arrive	Financial
	Publish Conference Report, send to SSC	Chairs

The above table represents a preliminary outline of the overall action timeline and is not fully representative of all activities that will occur along said time span. This timeline will be refined should GT ANS be chosen to host the conference.



2011 ANS Student Conference Judging Sheet

Poster Competition

Date: ___/___/___

Poster Title: _____

Presenter(s) Name: _____

School Affiliation: _____

Educational Level: UNDERGRADUATE GRADUATE

Content (40 points, 8 points each)

Objective (clear statement of research relevance) ___/ 8 pts
Data (valid approach and methodology) ___/ 8 pts
Analysis of Data (appropriate procedure) ___/ 8 pts
Conclusions (well-founded and phrased) ___/ 8 pts
References (clearly provided) ___/ 8 pts

Visual Presentation (40 points, 10 points each)

Poster design (good contrast and easy to view) ___/ 10 pts
Organization (logical flow of information) ___/ 10 pts
Graphs/figures/charts ___/ 10 pts
Appropriate amount of information ___/ 10 pts

Oral Presentation (20 points, 4 points each)

Introduction (appropriate and original) ___/ 4 pts
Explanation (discussed logically) ___/ 4 pts
Referencing poster appropriately ___/ 4 pts
Questions (well-handled) ___/ 4 pts
Style (attire, eye contact, speaking style) ___/ 4 pts

Bonus (5 points, NOT required) ___/ 5 pts

Reason for assigning bonus points:

TOTAL POINTS

Comments for presenter:

Comments for Technical Chairs:

TOTAL POINTS

Judge's Name/Affiliation: _____

2011 ANS Student Conference Judging Sheet

Technical Paper Competition

Date: ___/___/___

Paper Title: _____

Paper Track: _____

Author(s) Name: _____

School Affiliation: _____

Educational Level: UNDERGRADUATE GRADUATE

Content (75 points, 15 points each)

Presentation (25 points, 5 points each)

Objective (clear statement of research relevance)	___/ 15 pts	Spelling and Grammar	___/ 5 pts
Data (valid approach and methodology)	___/ 15 pts	Formatting (clear and logical)	___/ 5 pts
Results (presented in an appropriate manner)	___/ 15 pts	References (clearly provided)	___/ 5 pts
Conclusions (well-founded and phrased)	___/ 15 pts	Graphs/figures/charts (used effectively)	___/ 5 pts
Organization (clear and logical flow)	___/ 15 pts	Style (tone, inflection, rhythm)	___/ 5 pts

Bonus (5 points, NOT required) ___ / 5 pts

Reason for assigning bonus points:

TOTAL POINTS

Comments for presenter:

Comments for Technical Chairs:

**TOTAL
POINTS**

Judge's Name/Affiliation: _____