BIOGRAPHY FOR NE 50TH ANNIVERSARY HISTORY

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<thead>
<tr>
<th>Full Name:</th>
<th>Abdel-Khalik, Said</th>
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<tbody>
<tr>
<td>Alumni or Faculty:</td>
<td>faculty</td>
</tr>
<tr>
<td>Years @ GIIT NE:</td>
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<tr>
<td>GIIT NE Degree(s)/Year(s):</td>
<td>N/A</td>
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<tr>
<td>Current/Most Recent Position:</td>
<td>Southern Nuclear Distinguished Professor</td>
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Biographical Highlights:

- PhD, University of Wisconsin-Madison (1973)
- Professor (1982-87); Associate Professor (1978-82); Assistant Professor (1976-78), Nuclear Engineering and Engineering Physics, University of Wisconsin-Madison
- Georgia Power Distinguished Professor (1987-92); Southern Nuclear Distinguished Professor (1993-present), Nuclear Engineering Program, Georgia Institute of Technology
- Associate Director, School of Mechanical Engineering, Georgia Tech (1990-92)
- Secretary of the Faculty, Georgia Tech (2002-06)
- Member, Advisory Committee on Reactor Safeguards, USNRC (2006-12); Chairman (2011&12)
- Member, Nuclear Safety Review Board, Southern Nuclear Operating Company (2007-present)
- World-renowned expert in Reactor Engineering and Thermal-Hydraulics
- Fellow ANS (1995) and ASME (1999)
- Supervised 110 graduate theses (36 PhD and 74 MS) in Nuclear and Mechanical Engineering
- Published over 300 papers and publications in leading journals and conference proceedings, three computer codes; four patents, and one textbook on PWR Accident and Transient Analysis
- Numerous Awards including: Outstanding Achievement Award, Fusion Energy Division, ANS (2006); Outstanding Faculty Service Award, Georgia Tech (2003); Outstanding Educator Award, Woodruff School of Mechanical Engineering, Georgia Tech (2000); The Glenn Murphy Award, ASEE (1999); Outstanding Doctoral thesis advisor award, Georgia Tech (1998); Sigma Xi Outstanding PhD Thesis Award (1995); Outstanding Faculty Leadership for the development of Graduate Research Assistants, Georgia Tech (1994); several best paper awards in leading conferences (National Heat Transfer conference, 1999; 15th TOFE Conference, 2002; 19th TOFE Conference, 2010)

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BIOGRAPHY FOR NE 50TH ANNIVERSARY HISTORY

Full Name: Abdou, Mohamed

Alumni or Faculty: faculty

Years @ Git NE: 1978-1979

GIT NE Degree(s)/Year(s): NA

Current/Most Recent Position: Distinguished Professor of Engineering and Applied Science at the University of California Los Angeles

Biographical Highlights:

- Director, Center for Energy Science and Technology Advanced Research
- Director, Fusion Science and Technology Center
- Founding President, Council of Energy Research and Education Leaders (CEREL)

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BIOGRAPHY FOR NE 50TH ANNIVERSARY HISTORY

Full Name: Allen, Stuart Chales
Alumni or Faculty: alumni
Years @ GIT NE: 4
GIT NE Degree(s)/Year(s): BS NRE 2012
Current/Most Recent Position: Nuclear Engineer

Biographical Highlights:

Stuart Graduated from Georgia Tech with a BS Degree in Nuclear and Radiological Engineering. Shortly thereafter, he went to work for Enercon Services Inc. as a Nuclear Engineer supporting the Nuclear Safety Analysis group.

His time in undergrad was noted by a study abroad in China, a radiochemistry research internship in Las Vegas, NV, and a seat in the Undergraduate House of Representatives as the representative to the Senior Class at Georgia Tech. Additionally, he served as an orientation leader and as a Resident Advisor for the freshman class.

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<table>
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<tr>
<th><strong>Full Name:</strong></th>
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<td><strong>Years @ GIT NE:</strong></td>
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<tr>
<td><strong>Current/Most Recent Position:</strong></td>
<td>Engineer II, VC Summer Nuclear Station, South Carolina Electric &amp; Gas Company</td>
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**BIOGRAPHY FOR NE 50TH ANNIVERSARY HISTORY**

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<td>Years @ GIT NE:</td>
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<td>BNE 83</td>
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<td>Current/Most Recent Position:</td>
<td>Owner C4 Group, Inc</td>
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**Biographical Highlights:**


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# BIOGRAPHY FOR NE 50TH ANNIVERSARY HISTORY

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<th><strong>Full Name:</strong></th>
<th>Beckham, Anderson (Andy) L</th>
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<td><strong>Years @ GIT NE:</strong></td>
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<td><strong>GIT NE Degree(s)/Year(s):</strong></td>
<td>BNE 1984</td>
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<td><strong>Current/Most Recent Position:</strong></td>
<td>Vice President &amp; Senior Product Development Manager, Old Republic National Title Insurance Company</td>
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**Biographical Highlights:**

- MBA/Finance
- Commander, U.S. Navy (retired)
- Certified Mortgage Banker

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BIOGRAPHY FOR NE 50TH ANNIVERSARY HISTORY

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<td>Years @ GIT NE:</td>
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<td>GIT NE Degree(s)/Year(s):</td>
<td>BSNE/1979</td>
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<tr>
<td>Current/Most Recent Position:</td>
<td>Senior Simulator Instructor</td>
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Biographical Highlights:

Graduated from Georgia Tech with BS in Nuclear Engineering in 1979. First job was system engineer for Commonwealth Edison, Zion Nuclear Power Plant in northern Illinois. After several years in that position, worked up to be a first line supervisor in Engineering. Attended license training to become a Senior Reacto Operator, and received my SRO license at Zion Nuclear Power Plant in 1985. I worked in the control room at Zion as a Control Room Supervisor for 5 years until I resigned in 1990 to take a training position at PSEG Salem nuclear Power Plant in southern New Jersey. I worked in the training department, training candidates to obtain their RO/SRO license at Salem. I went to training myself and obtained my SRO license at Salem. I worked as a Control Room Supervisor on shift at Salem for 10 years. After those 10 years I returned back to the training department as a Senior Simulator Instructor (while maintaining my SRO license current), training RO/SRO license candidates to obtain their license. My position as a Senior Simulator Instructor I have held for the last 4 years and currently hold at this time.

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### BIOGRAPHY FOR NE 50TH ANNIVERSARY HISTORY

**Full Name:** Blalock, Tanya  
**Alumni or Faculty:** alumni  
**Years @ GIT NE:** 1983-1986  
**GIT NE Degree(s)/Year(s):** MS Health Physics/1986  
**Current/Most Recent Position:** Georgia Power - General Manager Environmental Affairs  

#### Biographical Highlights:

Tanya Blalock is Environmental Affairs General Manager for water, land and biological services at Georgia Power. In her current role, Tanya is responsible for environmental policy, regulatory and compliance issues related to water, waste, remediation and biological programs. Additionally her group acts as liaison for environmental compliance activities for our major customers in generation, transmission capital projects, distribution as well as other areas of operations. Some of the environmental regulatory programs under her responsibility include waste water, surface water, drinking water, storm water, U.S. Army Corps of Engineers permits, hydro relicensing, remediation activities, solid and hazardous waste management, and waste minimization programs. Biological programs include endangered and threatened species, avian protection program, lake water quality, aquatic weed management, radiological environmental monitoring field sampling programs, habitat protection initiatives and conservation agreements. Previously, Tanya supervised Georgia Power's Radiochemistry section which was responsible for radiochemical analyses and evaluations for the radiological environmental monitoring program for the company's nuclear facilities.

Tanya serves on a number of non-profit Boards including the Chattahoochee Nature Center and Georgia Youth Science Technology Centers.

Tanya has a B.S. in Biology from Shorter College and a M.S. in Health Physics from Georgia Institute of Technology. She has worked for Southern Company and Georgia Power for thirty four years. She is married to Mitch Blalock and has one son who is a sophomore at Georgia Tech in industrial design.

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| **Full Name:** | Blink, James A. |
| **Alumni or Faculty:** | alumni |
| **Years @ Git NE:** | 1 (1970-71) |
| **GIT NE Degree(s)/Year(s):** | MS in NE, 1971 |
| **Current/Most Recent Position:** | Project Leader, LLNL |

**Biographical Highlights:**

I attended Ga Tech under the US Army Top 5% program. My subsequent military assignments included Platoon Leader in a Combat Engineer Battalion in Germany, Military Research Associate at LLNL, and Company Commander of the Engineer Company at the Combat Development Experiment Command in CA. I joined LLNL in 1979, and have worked in the laser fusion program (fusion reactor conceptual design) and on the Yucca Mountain Project. Currently, I am the Project Leader for the Nuclear Fuel Cycle at LLNL, managing work in support of DOE-NE and DOE-EM.

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BIOGRAPHY FOR NE 50TH ANNIVERSARY HISTORY

Full Name: Brant, William Allen

Alumni or Faculty: alumni

Years @ GIT NE: 1971-1972

GIT NE Degree(s)/Year(s): MSNE/1972

Current/Most Recent Position: Attorney/Engineer

Biographical Highlights:

Bill Brant is a licensed and practicing trial attorney, mediator, and professional engineer. Bill started his career in the Nuclear Materials and the Safety and Licensing sections of the Nuclear Engineering Branch at TVA before transferring to Brown & Root, Inc. as a Nuclear Licensing Engineer on the South Texas Nuclear Project (STNP), and attending law school at night. As a trial attorney, he represented Halliburton and Brown & Root in the STNP litigation and consulted on the prudence audit of the Palo Verde Nuclear Generating Station. Bill has litigated mass disaster aviation cases, environmental, commercial, products liability, and medical malpractice cases. He is an instrument rated, private pilot and is an Aircraft Owners and Pilots Association panel attorney defending flight crews in FAA enforcement actions. Bill has defended registered engineers before the Texas State Board of Engineering in disciplinary actions brought by the Board.

Since summer 2002, Bill has lectured in Engineering Ethics at the University of Texas at San Antonio, including lectures to the local ASME, ASRHE, ASCE, SAME and ASM International sections. Bill was selected as a member of the Oxford Round Table and presented Professional Ethics: A Must for the Global Society of the 21st Century" at Oxford University in Oxford, England. Bill received a B.S. in Metallurgical Engineering from the University of Texas at El Paso while playing varsity baseball, received a M.S. in Nuclear Engineering from Georgia Tech and graduated from South Texas College of Law with a Juris Doctor degree."

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<tr>
<th><strong>Full Name:</strong></th>
<th>Bridges, Ashby Harrison</th>
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<tr>
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<tr>
<td><strong>Years @ GIT NE:</strong></td>
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<td><strong>GIT NE Degree(s)/Year(s):</strong></td>
<td>BS/2005, MS/2006</td>
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<td><strong>Current/Most Recent Position:</strong></td>
<td>Criticality Safety Officer Supervisor</td>
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**Biographical Highlights:**

Ashby H. Bridges is an alumnus from Georgia Tech with a B.S and M.S. from the Nuclear Engineering Program. He has over six years experience with radiation shielding and criticality safety applications. He has performed work for the Center for Disease Control and Prevention’s Radiation Branch, International Criticality Safety Benchmark Evaluation Project, Department of Energy, and Commercial Nuclear Industry. He is a Senior Criticality Safety Engineer per ANSI/ANS 8.26, a 10 CFR 71 Packaging and Transportation Specialist, and a licensed Professional Engineer. He is experienced with the cyber security requirements for computer networking, specifically in the application of remote shared-resource networking utilizing MCNP and SCALE. He currently serves as the Criticality Safety Officer Supervisor at a uranium enrichment facility and is responsible for the implementation of the facility’s Criticality Safety Program.

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BIOGRAPHY FOR NE 50TH ANNIVERSARY HISTORY

<table>
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<th>Full Name:</th>
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<td>alumni</td>
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<tr>
<td>Years @ GIT NE:</td>
<td>1966-1970</td>
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<td>GIT NE Degree(s)/Year(s):</td>
<td>MSNE 1968, PhDNE 1970</td>
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<tr>
<td>Current/Most Recent Position:</td>
<td>Director, Nuclear Materials Management, Savannah River, DOE</td>
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Biographical Highlights:

Dr. Donald N. Bridges retired in 2002 from Department of Energy Savannah River Site (SRS). In 30 years at SRS he served as DOE Program Manager for SRS Nuclear Reactor Production Program, Tritium Program, and Nuclear Materials Disposition Program for cleanup of DOE complex.

He is married to Charlene Kiser Bridges and resides in North Augusta, SC. He has four children and ten grandchildren. He is active in First Baptist Church of North Augusta serving as Sunday School Teacher, Chairman of Deacons, Deacon, and numerous committee duties. He is a active in various other organizations including: SRS Citizens Advisory Board (Chairman), Citizens for Nuclear Technology Awareness, and the ANS. He is a native of Shelby, NC and a retired professional engineer.

Education:

- BCE 1958 and MSCE 1960, N. C. State University, Raleigh, NC
- MS NE 1968 and Ph D NE 1970, Georgia Tech, Atlanta, GA

Military Service included duty with the Navy’s Civil Engineer Corps at Naval Base, Guantanamo Bay, Cuba and Naval Air Station, Pensacola, Fl. He also served in the U. S. Naval Reserve with assignments as Commander, Naval Reserve Seabee Forces, Atlantic Fleet and CO, NMCB 14. He retired in September 1992 as a Captain.

Professional experience: Nuclear engineer at the NRC in Washington, DC and at the Savannah River Site (SRS), Aiken, SC with DOE. Major Assignments included:

- DOE Program Manager for Production Reactors at SRS, which included production of plutonium, tritium, and misc. isotopes. During the early 1980s the U. S. was in a nuclear weapons race with the Soviet Union. During this period SRS produced materials at record levels- record power levels for reactor production, maximum efficiency during operation, and minimum down-time for necessary outages. This production activity contributed directly to the collapse of the Soviet Union as they were unable to keep up with the U. S. production.
- DOE Program Manager for Tritium Program at SR, which included extraction and recycle of tritium for weapons programs.
- DOE Program manager for excess nuclear materials disposition. This was the start of the cleanup effort by DOE after the Cold war.

Awards:

- DOE Meritorious Service Award- Jan. 1987- Exceptional contributions for the successful restart of LWR Reactor.
- DOE Superior Achievement Award- June 2000- Significant contributions to the plans for disposition of excess nuclear materials.

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**BIOGRAPHY FOR NE 50TH ANNIVERSARY HISTORY**

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<tr>
<th>Full Name:</th>
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<td>Years @ GIT NE:</td>
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<td>GIT NE Degree(s)/Year(s):</td>
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<tr>
<td>Current/Most Recent Position:</td>
<td>Nuclear Safety Consultant</td>
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### Biographical Highlights:

1966 U S Merchant Marine Academy, Kings Point, NY. BS Marine Engineering with minor in Nuclear Engineering.


1971 Master’s Degree, Nuclear Engineering, Georgia Institute of Technology,

1971-1980 Nuclear Engineer with the U.S. Atomic Energy Commission (USAEC)

1980-86 Manager of Radiation Protection Services, Public Service Electric and Gas of NJ at the Salem and Hope Creek nuclear power plants.

1986 â€“ 1998 Consulted for several years for SCIENTECH, INC, Beckman and Associates, and independently.

1998-2006 Fuel Facility Inspector with the U S Nuclear Regulatory Commission (USNRC)

2008-2011 Federal Authority for Nuclear Regulation (FANR) in the United Arab Emirates (UAE). Assisted in establishing a regulatory organization for the nuclear power plants to be built in the UAE.

2011 to present, Beckman and Associates, Nuclear Safety Consultant

Chairman and President of the N/S SAVANNAH Association, Inc., a 501(c)(3) organization, whose mission is to work with MARAD to preserve the N. S. Savannah as a historical and educational institution.

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BIOGRAPHY FOR NE 50TH ANNIVERSARY HISTORY

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<th>Full Name:</th>
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<td>Years @ GIT NE:</td>
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<td>BNE, 1978</td>
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<tr>
<td>Current/Most Recent Position:</td>
<td>Principal Licensing Eng.</td>
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Biographical Highlights:

Began my career at General Electric’s Nuclear Division in 1978 in their Edison Engineering Program, which lead to my obtaining a Masters Degree in Engineering (Mechanical) from UC - Berkeley in 1981. At GE, I worked in core/fuel design, LOCA analysis, and licensing. In 1985, I left GE to join Iowa Electric Light & Power Co. as a Licensing Engineer for the Duane Arnold Energy Center. I have been at DAEC ever since, working on various projects, such as Power Uprates, Improved Standard Technical Specifications, and Risk-informed Regulation. I am currently Chairman of the BWR Owners’ Group Licensing Committee and on the Industry Technical Specifications Task Force, that is responsible for generic changes in the NRC Standard Technical Specifications. I am also currently involved in the BWR Owners’ Group work on the industry response to the accident at Fukushima.

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BIOGRAPHY FOR NE 50TH ANNIVERSARY HISTORY

Full Name: Burns, Kimberly

Alumni or Faculty: alumni

Years @ Git NE: 2002-2009

GIT NE Degree(s)/Year(s): BS (2006), MS (2008), PhD (2009)

Current/Most Recent Position: Engineer at Pacific Northwest National Laboratory

Biographical Highlights:

Kim Burns is currently employed as an engineer at Pacific Northwest National Laboratory. She is currently conducting research in many areas, including coupled Monte Carlo-deterministic method development for Radiation Detection Scenario Analysis Toolbox (RADSAT), shielding calculations for new facilities, the design of robust sealed-source containers, design of Tritium Producing Burnable Absorber Rods (TPBARs) for irradiation in a commercial nuclear power plant, and the development of nuclear archeology techniques for use in uranium enrichment facilities. As a graduate research assistant at Georgia Institute of Technology, she was involved in the estimation of doses to healthcare providers from administering life-saving procedures to patients after a radiation dispersion device (RDD), the calculation of dose correction factors for workers at Plant Farley nuclear power plant working in the vicinity of the spent fuel casks during loading of the spent fuel, the characterization of neutron fields at various facilities, and experiments for NASA to test novel space shielding materials.

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**BIOGRAPHY FOR NE 50TH ANNIVERSARY HISTORY**

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<td>GIT NE Degree(s)/Year(s):</td>
<td>MS/1988</td>
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<td>Current/Most Recent Position:</td>
<td>Medical Physicist</td>
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**Biographical Highlights:**

Medical Physicist  
Emory University  
Department of Radiation Oncology  
1988-present

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BIOGRAPHY FOR NE 50TH ANNIVERSARY HISTORY

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<tr>
<td>Years @ GiT NE:</td>
<td>1969-1976</td>
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<tr>
<td>GIT NE Degree(s)/Year(s):</td>
<td>Ph.D. Nuclear Engineering</td>
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<tr>
<td>Current/Most Recent Position:</td>
<td>Retired/VP Nichols Research</td>
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Biographical Highlights:

EDUCATION:
B.S., Nuclear Engineering, University of Tennessee, 1961
M.S., Nuclear Engineering, University of Tennessee, 1966
M.A., Mathematics, University of Alabama, 1969  Ph.D., Nuclear Engineering, Georgia Institute of Technology, 1976

EXPERIENCE SUMMARY
Thirty five years of experience in managing and performing technical analysis in Ballistic Missile Defense engagement simulations and modeling, nuclear weapons and space environments and effects, radiation transport, and electromagnetic signal propagation studies.

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BIOGRAPHY FOR NE 50TH ANNIVERSARY HISTORY

Full Name: Byus, Linda Caldwell
Alumni or Faculty: alumni
Years @ GIT NE: 1974-1975
GIT NE Degree(s)/Year(s): MS Applied Nuclear Science 1975
Current/Most Recent Position: VP Investor Relations Exelon Corporation

Biographical Highlights:

Upon leaving Georgia Tech I worked as a nuclear plant health physicist for Commonwealth Edison in the Chicago area. After earning an MBA from the University of Chicago in 1981 I moved into the financial services industry. I spent most of my career as an investment analyst specializing in electric utilities that own and operate nuclear generating plants. Since Exelon is one of the largest nuclear generating companies in the world, I finished my career as the VP of Investor Relations for the company. I am retired. My only professional work is writing the Focus on Finance Column for the ANS publication Nuclear News.

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<td><strong>GIT NE Degree(s)/Year(s):</strong></td>
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<td><strong>Current/Most Recent Position:</strong></td>
<td>Medical Student</td>
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**Biographical Highlights:**

I am currently enrolled in the DO program at Philadelphia College of Osteopathic Medicine the GA campus in Suwanee, GA. Once I have finished my osteopathic training, I plan on pursuing a professional career as a radiation oncologist.

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# BIOGRAPHY FOR NE 50TH ANNIVERSARY HISTORY

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<td><strong>GIT NE Degree(s)/Year(s):</strong></td>
<td>MSHP 1988</td>
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<tr>
<td><strong>Current/Most Recent Position:</strong></td>
<td>Senior Health Physicist, CDC</td>
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## Biographical Highlights:

Before coming to Georgia Tech, I had a Master of Science in Radiation Biology and a Ph.D. in what is now known as molecular biology. I was a bench biochemist but wanted to return to my academic roots in radiation biology. Health physics met my desire so I entered the Georgia Tech program in 1987. After graduating from Georgia Tech with a Master of Science in Health Physics, I was hired by the Centers for Disease Control and Prevention, Agency for Toxic Substances and Disease Registry (ATSDR).

I was the first health physicist hired by ATSDR and worked almost exclusively on the public health and environmental issues associated with the large Department of Energy sites such as Hanford and Oak Ridge. I continue to be involved with the evaluation of radiologically contaminated Superfund sites and other locations where radiological contamination has been found. I also was a part time instructor at Ga. Tech where I taught Radiation Biology, Applied Health Physics, Environmental Assessment and Waste Management.

Besides my work with ATSDR, I am a member of the National Advisory Team for Environment, Food, and Health which, under the National Response Framework, responds to radiological and nuclear events such as Fukushima or radiological terrorism events. I also am an instructor in the Master of Science in Emergency Management at Millersville University in Pennsylvania.

Currently I am the president of the Atlanta Chapter of the Health Physics Society, a member of the National Health Physics Society Academic Education Committee and a member of the Society’s Homeland Security Section.

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**BIOGRAPHY FOR NE 50TH ANNIVERSARY HISTORY**

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<tr>
<th>Full Name:</th>
<th>Christiansen, Donna M</th>
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<td>alumni</td>
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<tr>
<td>Years @ GIT NE:</td>
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<tr>
<td>GIT NE Degree(s)/Year(s):</td>
<td>BNE/86</td>
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<tr>
<td>Current/Most Recent Position:</td>
<td>Training Manager</td>
</tr>
</tbody>
</table>

**Biographical Highlights:**

- **Training Manager - Southern Nuclear - Plant Farley - May 2009 - Present**
  - Responsible for the development, accreditation, scheduling, presentation, evaluation, and maintenance of sites training programs to achieve and maintain National Academy for Nuclear Training (NANT) accreditation.
  - Provided oversight of Operations and Engineering Training programs including overall program development for classroom and simulator training, coordinated INPO training accreditation activities and reviewed operations, engineering and simulator programs for content and effectiveness. Also qualified as Shift Manager.
  - Shift Supervisor - Southern Nuclear - Plant Farley - January 2004 - October 2004
  - Directed operational activities of assigned unit. Assessed risk and make conservative operational decisions. Ensured that unit operations were conducted in accordance with Technical Specifications.
  - Shift Support Supervisor - Southern Nuclear - Plant Farley - April 2002 - January 2004
  - Senior Engineer - Southern Nuclear - Plant Farley - September 1997 - April 2002
  - Completed Senior Reactor Operator Training Program leading to issuance of NRC Senior Reactor Operator license.
  - INPO Operations SRO Peer Evaluator and INPO Host Peer. Performed final review of the corrective action program condition reports. Managed the Condition Report program including procedure revision and software changes. Reviewed and enhanced engineer training to meet INPO ACAD 98-004 requirements while temporarily assigned to Training. Revised operations procedures for Improved Tech Specs.
  - Senior Engineer - Southern Nuclear - Plant Vogtle - August 1990 - June 1993
  - Obtained NRC SRO license. Outage Area Supervisor during Refueling Outage. Qualified on all fuel handling tools and refueling machines. Coordinated activities for off load, shuffle and reload of fuel.
  - Reactor Engineer - Southern Nuclear - Plant Vogtle - November 1987 - August 1990

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BIOGRAPHY FOR NE 50TH ANNIVERSARY HISTORY

Full Name: Cleary, Timothy P.
Alumni or Faculty: alumni
Years @ GIT NE: 1976-1981
GIT NE Degree(s)/Year(s): BNE 1981
Current/Most Recent Position: VP, Regulatory Recovery Projects, with TVA

Biographical Highlights:

Mr. Cleary is responsible for providing governance and oversight for the Browns Ferry Nuclear Site NRC 95003 Inspection Preparations. He has been in this role since May 2011. He joined TVA on August 6, 2007 as Vice President, Sequoyah Nuclear Site. This position provides general management and oversight to all operations activities for the site to ensure safe and efficient operation of the nuclear plant in compliance with TVA Nuclear policies and procedures, plant Technical Specifications, and federal, state, and local regulations.

In December 2009 he assumed the position Vice President, Organizational Effectiveness Initiative (OEI). In this role he led and directed the TVA OEI implementation activities. During this period he was named acting VP, Human Resources and acting VP, Performance Analysis. In these roles he led both organizations in supporting TVA. He returned to the Nuclear Power Group in January 2011 as Vice President, New Business Initiatives. In this role he was responsible for the integration of Bellefonte Nuclear and future small modular reactors into the Nuclear Power Group.

Cleary has over 32 years of experience in the commercial nuclear power generation industry. During his career, Cleary spent over 22 years with Progress Energy where he has held a number of progressive engineering and key management positions, including: Director of Site Operations, Brunswick Nuclear Plant; Plant General Manager, Operations Manager, Maintenance Manager, Engineering Manager, Engineering Supervisor, and Reactor Engineer, Robinson Nuclear Plant.

He was a licensed Reactor Operator and HP tech at the GT Neely Research Reactor while attending Georgia Tech. Licensed - GT Neely Research Reactor Reactor Operator, H. B Robinson Unit 2 - Senior Reactor Operator Professional Engineer - South Carolina, No. 10878 American Nuclear Society - Member

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**BIOGRAPHY FOR NE 50TH ANNIVERSARY HISTORY**

**Full Name:** Curtis, Stephen Frederick

**Alumni or Faculty:** alumni

**Years @ GIT NE:** 1972-1976

**GIT NE Degree(s)/Year(s):** BNE/4

**Current/Most Recent Position:** Project Engineer

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**BIOGRAPHY FOR NE 50TH ANNIVERSARY HISTORY**

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<td>Current/Most Recent Position:</td>
<td>Assistant Attending, Health Physicist</td>
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**Biographical Highlights:**

Dr. Dauer is an Assistant Attending, Health Physicist, and Assistant Clinical Member in the Departments of Medical Physics and Radiology at Memorial Sloan-Kettering Cancer Center, a position he has held for the past 10 years. Larry serves as the Chair of the MSKCC Emergency Management Committee, and a member of the MSKCC Radiation Injury Treatment Network. Prior, he worked in radiation protection programs for 17 years for the energy, industrial and health sectors, including several years as the Radiological Engineering Supervisor at the Indian Point 3 Nuclear Power Plant.

He is certified in comprehensive health physics by the American Board of Health Physics and is a Licensed Medical Physicist (NY State). He is past Chair of the Radiation Safety Committee of the American Association of Physicists in Medicine, Past President of the Greater NY Chapter of the Health Physics Society, Past President and Executive Council Member of the Medical Physics Section of the Health Physics Society, and a current Member of the Joint Safety Committee of the Society for Interventional Radiology and the American College of Radiology. In 2005, he received the Elda E. Anderson Award from the Health Physics Society for significant contributions to the profession of health physics.

He is currently serving as a member of the International Commission on Radiological Protection (ICRP) Committee 3 on Radiation Protection in Medicine. He is also currently serving as a member of the National Council on Radiation Protection and Measurement (NCRP). He is also a member of the International Organization of Medical Physics Science Committee.

His publications in the area of radiation protection cover many topics in the fields of brachytherapy, detection, radiology, interventional radiology, diagnostic imaging, nuclear medicine, communications, and radiation oncology, surgery and medicine. His current research areas include imaging dosimetry, low dose effects, staff protection, emergency response, and communicating benefit and risks.

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BIOGRAPHY FOR NE 50TH ANNIVERSARY HISTORY

Full Name: Day Jr, Jerry B.
Alumni or Faculty: alumni
Years @ GIT NE: 1980 - 1984
GIT NE Degree(s)/Year(s): BNE / 1984
Current/Most Recent Position: Senior Engineer, Duke Energy, McGuire Nuclear Station

Biographical Highlights:


My career at Duke has included Licensing, Regulatory Compliance, Operations, Independent Nuclear Oversight Team, and my current position in Reactor Engineering. I am a registered Professional Engineer in North Carolina.

Married Annette Ornsbey, September 22, 1990, and we have no children. We currently live near Mount Holly, NC.

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### BIOGRAPHY FOR NE 50TH ANNIVERSARY HISTORY

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<td><strong>GIT NE Degree(s)/Year(s):</strong></td>
<td>MS/90 PhD/97</td>
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<td><strong>Current/Most Recent Position:</strong></td>
<td>Associate Professor - Emory School of Medicine</td>
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**Biographical Highlights:**

- 1997 - Diplomate - American Board of Radiology in Therapeutic Radiologic Physics
- 1997 - Assistant Professor - Emory University School of Medicine, Department of Radiation Oncology
- 1999 - Director of Medical Physics - Northside Hospital, Atlanta, GA Department of Radiation Oncology
- 2004 - Assistant Professor and Associate Director of Medical Physics - Emory University School of Medicine, Department of Radiation Oncology
- 2005 - Adjunct Assistant Professor, Nuclear and Radiological Engineering, GA Tech
- 2012 - Associate Professor - Emory University School of Medicine, Department of Radiation Oncology
- 2012 - Adjunct Associate Professor, Nuclear and Radiological Engineering, GA Tech

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BIOGRAPHY FOR NE 50TH ANNIVERSARY HISTORY

Full Name: Exline, Pete
Alumni or Faculty: alumni
Years @ GIT NE: 2009-2011
GIT NE Degree(s)/Year(s): MS in NE, 2011
Current/Most Recent Position: Instructor, USMA

Biographical Highlights:
I graduated from GT with an MS in NE in 2011.
I currently serve as an Instructor at the United States Military Academy at West Point, teaching in the Department of Physics and Nuclear Engineering.

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BIOGRAPHY FOR NE 50TH ANNIVERSARY HISTORY

Full Name: Faasse, David W
Alumni or Faculty: alumni
Years @ GIT NE: 1975-1979
GIT NE Degree(s)/Year(s): BNE 79
Current/Most Recent Position: Retired Navy Captain

Biographical Highlights:

Upon graduation from Tech I was commissioned an Ensign in the US Navy and attended Nuclear Power Training in Orlando, FL and NY State. Over 26 years in the Navy I held numerous positions in 7 ships including Chief Engineer of the nuclear powered cruiser USS Bainbridge and Officer in Charge of the East coast Nuclear Training Team. I also commanded two ships, served as Director of Manpower for NATO's Atlantic Command and as Director of Navy Advertising and Marketing. I retired as a Navy Captain.

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**BIOGRAPHY FOR NE 50TH ANNIVERSARY HISTORY**

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<tr>
<td>Current/Most Recent Position:</td>
<td>Vice President - INPO International, Director of WANO - Atlanta Centre</td>
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**Biographical Highlights:**

David M. Farr  
Director, WANO-Atlanta Centre  
Vice President International, INPO

David Farr is the Director of WANO-Atlanta Centre. Mr. Farr also serves as the Vice President of the International Division for the Institute of Nuclear Power Operations (INPO) in Atlanta, Georgia. He has held these positions since January 2009.

In his current position, Mr. Farr is responsible for conducting peer reviews and providing support for 131 operating nuclear units in the Atlanta Centre.

Mr. Farr joined INPO in January 2000 and has served as manager of engineering and configuration management and as a team manager. Prior to joining INPO, he was employed by Commonwealth Edison Company. He has also participated in an on-loan assignment as Site Director of Sizewell B Power Station in the United Kingdom. He has held senior reactor operator licenses from the U. S. Nuclear Regulatory Commission for both BWR and PWR sites.

He is a graduate of the Georgia Institute of Technology, he holds a bachelor’s degree in nuclear engineering. Mr. Farr also holds a master’s degree in management from Northwestern University.

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Name: Faunce, Derrick

Alumni or Faculty: alumni

Years @ GIT NE: 4

GIT NE Degree(s)/Year(s): B.S.N.R.E. 2008

Current/Most Recent Position: Nuclear Safety Engineer - Shaw AREVA MOX Services, LLC

Biographical Highlights:

Got out in 2008. Lives in Augusta, GA with his wife, Jasmin, and dog, Gabriel.

Previously worked for the Defense Intelligence Agency in Washington DC on nuclear counter-proliferation intelligence analysis.

Currently works as a nuclear safety engineer on the Mixed Oxide Fuel Fabrication Facility at Savannah River Site.

THWG

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BIOGRAPHY FOR NE 50TH ANNIVERSARY HISTORY

Full Name: Favorite, Jeffrey A.

Alumni or Faculty: alumni

Years @ GIT NE: 1988-1998

GIT NE Degree(s)/Year(s): BNE 1993; MSNE 1994; PhD 1998

Current/Most Recent Position: Los Alamos National Laboratory, Staff Member

Biographical Highlights:

Since graduating in 1998, I have been a staff scientist at Los Alamos National Laboratory, where I have worked in code development, forward modeling of all kinds of radioactive systems, optimization and inverse modeling and methods development, and perturbation and sensitivity theory (including second-order variational perturbation methods) for eigenvalue and source-driven transport problems. I received the American Nuclear Society’s Mathematics & Computation Division Young Member Research Achievement Award in 2007 and a Mentor Distinguished Performance Award from Los Alamos National Laboratory in 2005.

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BIOGRAPHY FOR NE 50TH ANNIVERSARY HISTORY

Full Name: Fechter, George
Alumni or Faculty: alumni
Years @ GIT NE: 1986 thru 1991
GIT NE Degree(s)/Year(s): Bachelors NE / 1991
Current/Most Recent Position: Senior Engineer, Southern Nuclear Operating Company

Biographical Highlights:
After 3.5 years in the Navy and 3.5 years at ASME, I started working for Southern Nuclear at Plant Hatch, Baxley, Ga. After 14 years at Plant Hatch, I recently transferred to Plant Vogtle, Units 3 and 4, which are two of the first new commercial nuclear reactors to be built in the US.

I currently reside in Statesboro, Ga with my wife, Louise, who works at Georgia Southern University, and my daughter, Julia, a sophomore at Statesboro High School.

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Full Name: File, Penney
Alumni or Faculty: alumni
Years @ GIT NE: ‘79-’81
GIT NE Degree(s)/Year(s): BNE 1981
Current/Most Recent Position: Engineering Supervisor Nuclear Fuel Services

Biographical Highlights:

My main biographical highlight is my daughter, Emma, who is a junior at Towson University majoring in clinical psychology. She has promised to provide me with free therapy up to the amount I have provided in tuition and living expenses while she gets her degree. Which, I think, is only fair. And why would I need therapy?? I'd say 31 years as a nuclear engineer would be a good reason.

I've spent that 31 years staring at fuel rods, comparing different cladding variants and different assembly designs trying to find those with the best properties and those with the least propensity for fuel failure. I've learned more about oxide spalling than any person should have to, trying to determine how it happens, why it happens where it does happen, and how to tweak fuel rod and assembly designs to keep it from happening.

From all that comes the pleasure I've had to be on industry committees, chairing the EPRI group on fuel issues and participating in ANS standards meetings, drafting EPRI's original Fuel Reliability Guidelines, and later the combined INPO/EPRI guidelines documents, all of which has done much to improve industry performance. And then there is the smile that creeps across your face when you see the lightbulb light up over some spud engineer's head as the phenomena you've been describing start to make sense.

I've worked with vendors to develop and test new cladding materials and assembly designs, which has let me interact with some of the best brains in the industry in those areas, and being a part of this great profession and seeing changes successfully implemented gives a real feeling of satisfaction. And I would have had the opportunity to do none of this were it not for my degree from Ma Tech, and were it not for the enthusiasm and energy I saw and received from some of the faculty members I encountered at Tech. I don't want to leave anyone out by not naming them, but in my particular case, Narl Davidson and John Poston made me want to succeed and then made me want to come back and share with them my tales. They are great men and great professors, and I thank them for lighting a fuse that's still burning after these 31 years.

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BIOGRAPHY FOR NE 50TH ANNIVERSARY HISTORY

Full Name: Fox, Tim
Alumni or Faculty: alumni
Years @ GIT NE: 1990-94
GIT NE Degree(s)/Year(s): MS HP 1992, PhD 1994
Current/Most Recent Position: Associate Professor of Radiation Oncology

Biographical Highlights:

Dr. Tim Fox received his Ph.D. in Nuclear and Radiological Engineering from Georgia Tech, and he certified by the American Board of Radiology in Therapeutic Radiologic Physics. He is currently Director of Medical Physics for Department of Radiation Oncology at Emory University School of Medicine. For the past twenty years, he has provided leadership for Radiation Oncology at Emory University in the clinical service, teaching and research areas where over 3000 cancer patients are treated annually. He is author/co-author on more than seventy research articles and abstracts as well as four book chapters.

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BIOGRAPHY FOR NE 50TH ANNIVERSARY HISTORY

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<tr>
<td>Current/Most Recent Position:</td>
<td>Senior Technical Specialist</td>
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Biographical Highlights:

2009 - Current: Enercon Services / Enercon Federal Services  
Senior Technical Specialist

1997 - 2009: NISYS Corporation  
Technical Consultant and Project Manager

1996 - 1997: Duke Engineering & Services  
Lead Senior Engineer

1993 - 1995: Grove Engineering  
Senior Engineer

1985 - 1993: ABB Impell Corporation  
Engineer, Engineering Supervisor and Project Manager

1981 - 1985: Long Island Lighting Company - Shoreham Nuclear Plant  
Engineer

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**BIOGRAPHY FOR NE 50TH ANNIVERSARY HISTORY**

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<td>Current/Most Recent Position:</td>
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**Biographical Highlights:**
- Currently studying Medical Physics at Georgia Tech

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**BIOGRAPHY FOR NE 50TH ANNIVERSARY HISTORY**

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<td>Current/Most Recent Position:</td>
<td>PRE at GTRI</td>
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**Biographical Highlights:**

- Admiral Rickover’s technical staff (NAVSEA 08, Dept of Energy) in Crystal City, VA from 1977-1980 in Core Manufacturing
- MS and PHD in NE from U of Wisconsin - Madison Fusion System Engineering under Dr. Wilhelm Wolfer
- Engineer TRW Space and Defens

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BIOGRAPHY FOR NE 50TH ANNIVERSARY HISTORY

Full Name: Goldberg, Marc
Alumni or Faculty: alumni
Years @ Git NE: 1973-1974
GIT NE Degree(s)/Year(s): MS 1974
Current/Most Recent Position: Deputy Secretary, Pennsylvania Department of Corrections

Biographical Highlights:

US Navy- active duty 1973-2000. Served on five nuclear submarines and various shore assignments. Key assignments include:

Commanding Officer, USS Newport News (SSN 750)
Commanding Officer, USS Alaska (SSBN 732)
Commanding Officer, Naval Reserve Officers Training Corps, Pennsylvania State University.

Commonwealth of Pennsylvania- 2001-2010. Key positions include:

Director, Pennsylvania Correctional Industries
Deputy Secretary, Pennsylvania Department of Corrections

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### BIOGRAPHY FOR NE 50TH ANNIVERSARY HISTORY

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<td>MSNE 1978</td>
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<tr>
<td><strong>Current/Most Recent Position:</strong></td>
<td>Operating/Venture Partner</td>
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#### Biographical Highlights:

Mr. Gottfried is a highly accomplished executive and operating/venture partner who identifies teams and business models that have the opportunity to disrupt the markets that they serve. Glenn helps executive teams clearly define a business strategy and model that allows them to focus on the tactical execution of operational, sales, business development, marketing, and product development activities to take a commanding position in the marketplace. His insights and guidance are critical accelerators in the growth and transformation of a business; leading to significant value creation.

Glenn's experience and insight are honed from leading multiple companies through growth and exit, formally and informally mentoring and advising the CEO and executive teams of startups and operating companies, and having a willingness to adapt other experts' knowledge into his own framework of understanding.

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BIOGRAPHY FOR NE 50TH ANNIVERSARY HISTORY

Full Name: Goulding, Nigel

Alumni or Faculty: alumni

Years @ GIT NE: 4

GIT NE Degree(s)/Year(s): B.N.E. 1980

Current/Most Recent Position: New Product Manager

Biographical Highlights:

Summary of Experience
Proven Track Record of Providing Closure and Sales Revenue for New Innovative Programs
Effective Personnel Supervision and Business Management Competence
Diverse Design Engineering, Project Engineering and Task Coordination Background
Demonstrated Performance in Resolving and Eliminating Product Quality Issues
Results Oriented Performer
Strong Written and Oral Communication Skills
Excellent Mechanical Aptitude and Hands-on Fabrication/Installation Experience
Extensive Experience in a Licensing/Regulatory Environment
Life Cycle Management Expertise

2000 to Present
New Product Manager - Parker-Hannifin, Lynchburg, VA
Product Engineer for all GM products manufactured in the Lynchburg manufacturing facility and additional recent responsibilities for several new customers. Successful in increasing GM sales of intake gaskets in the presence of a volatile environment at GM regarding issues with similar gaskets. Responsibilities include product development, coordination of all facets of design and product launch including prototype design, validation testing, tooling purchase, vendor/supplier/customer interface etc.
- Launched numerous innovative “first-of-a-kind” products in conformance with strict APQP requirements.
- Coordinated development of new metal technology gasket for intake manifold application. Successful in prototyping and testing this new design with favorable feedback from GM.
- Developed dual material gaskets for GM applications to meet both PZEV requirements and maintain resistance to the OAT (organic acid technology) coolants used in GM vehicles. Several variations of these gaskets are now in production.

1981 to 1999 Framatome Technologies Inc. (Formerly Babcock and Wilcox)
Supervisor/Project Engineer- 1996 to November 1999
- Supervised up to 5 engineers as lead engineer and project coordinator for $3.5 million turnkey equipment and piping modification at an operating nuclear power plant. Responsibilities included proposal preparation, engineering design, equipment purchase, prefabrication assembly, plant installation and post modification testing.
- Lead Engineer responsible for coordinating the design, fabrication, deployment and operation of a first-of-a-kind steam generator high temperature cleaning system.

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BIOGRAPHY FOR NE 50TH ANNIVERSARY HISTORY

Full Name: Graham III, Walter Waverly

Alumni or Faculty: faculty

Years @ Git NE: 8

GIT NE Degree(s)/Year(s): Ph.D. 1965

Current/Most Recent Position: Retired

Biographical Highlights:

Hillsboro H.S. Nashville, TN 1951
BS U.S. Naval Academy 1955, Married Ann Bennett
U.S. Navy, Destroyers/Atlantic 1955-1959
MSNE Vanderbilt U. 1960
Faculty and GTRI 1965-70, Reactor Safety
President, Technical Analysis Corp.(TAC) 1970-1983, time-sharing, mini/micros, dig. devices/IRMA
EVP Digital Communications Assoc.,(DCA) 1983-85
President, Patina,Inc. 1986-2000 Italian art furn
Consultant, Porte Italia, srl, 2000-2012
Exciting NE Event: Startup of GTRR, Dec. 31, 1964
Two children, five grandchildren

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**BIOGRAPHY FOR NE 50TH ANNIVERSARY HISTORY**

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<td>GIT NE Degree(s)/Year(s):</td>
<td>Bachelor / 1997</td>
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<td>Current/Most Recent Position:</td>
<td>Lead Senior Engineer</td>
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**Biographical Highlights:**

Senior Engineer / Technical Specialist with Enercon Services, Inc.
Experience includes conducting methodology reviews to verify a program’s compliance with regulations, developing nuclear reactor safe shutdown logics to accurately depict complex system interrelations in a simplified visual logic, performing circuit failure analysis to analyze circuit fault impacts on control circuits, coordinating resolution of open issues and directing others' work.

System Engineer / Project Manager with Science Applications International Corp.
Supervised and developed projects important for the operation of the United States Nuclear Detonation Detection (USNDS) Program by providing technical support on a range of projects and developed solutions to program risks and issues. Liaised with US Department of Energy (DOE) national laboratories. Communicated project requirements between the technical and programmatic staff. Coordinated end user / warfighter requirements with programmatic and technical personnel to ensure end user key performance parameters were met.

Division Director / Instructor - U.S. Navy
Trained officer and enlisted students in science and engineering fundamental to the design, operation and maintenance of naval nuclear propulsion plants, specifically with the electrical systems and controls.

Submarine Officer, U.S. Navy
Responsible for operation, maintenance and safety of a nuclear fast attack submarine. Directed maintenance and procedures to ensure safe operation of a nuclear reactor and all machinery.

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BIOGRAPHY FOR NE 50TH ANNIVERSARY HISTORY

Full Name: Gunter, Robert J.
Alumni or Faculty: alumni
Years @ GIT NE: '87-'91
GIT NE Degree(s)/Year(s): BSHP/90 MSHP/91
Current/Most Recent Position: Owner CHP Consultants

Biographical Highlights:

<table>
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<tr>
<th>Event</th>
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<tr>
<td>6 Years Nuclear Navy (enlisted)</td>
<td>1980-86</td>
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<tr>
<td>4 years GIT, received BSHP and MSHP</td>
<td>87-91</td>
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<tr>
<td>DOE Nuclear Engineering/HP Fellowship for graduate school.</td>
<td>90-91</td>
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<tr>
<td>Practicum at CERN after Graduate school.</td>
<td>1991</td>
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<tr>
<td>4 years Oak Ridge National Lab</td>
<td>1992-1996</td>
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<tr>
<td>3.5 years round the world travel</td>
<td>96-98, 2000-01</td>
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<tr>
<td>4 years Staff Health Physics Professional</td>
<td>98-2000, 2001-3</td>
</tr>
<tr>
<td>9 years, Owner CHP Consultants/CHP Dosimetry</td>
<td>2003- present.</td>
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</table>


After high school I was not a dedicated student and joined the US Navy in the nuclear power program. After 6 years of naval duty, I was ready for college. The maturity I had gained and the study habits I learned in the nuclear Navy gave me the tools to allow me to make the Deans List every quarter I was at Tech. I rejoined the Navy Reserve at Tech (where there was a Navy Reserve Center at the time) and after getting my degrees, was awarded a Commission as a Naval Officer. I retired after 23 years of service as a LCDR.

As a result of my undergraduate record, I was awarded the DOE's Nuclear Engineering/Health Physics Fellowship which funded my MSHP degree. This led to serving a Practicum assignment at CERN (the Fellowship coordinators told me that nobody had ever gone to Europe on the Practicum, but there was no reason I could not go if I could find a place). CERN was right in the middle of Europe, so I wrote a letter of request, and was accepted. During my practicum at CERN, I met my wife Melissa in Switzerland while I was doing a practicum as part of the DOE NE/HP Fellowship. We were married in 1993 (she was travelling in EU).

The first travel stint was all around the world. I had the opportunity to visit nuclear installations in New Zealand, Australia, the Philippines, Malaysia, Thailand, Viet Nam, and Austria where I gave lectures and attended conferences. The second travel stint was not business related at all and was in the US and Mexico.

Upon return from overseas travel I worked at a commercial radiation dosimetry service for 2 years prior to traveling again. We returned to Oak Ridge TN, where I was determined to start a consulting business. Instead I worked for 3 years for a DOE Contractor before heading out on my own to start CHP Consultants and CHP Dosimetry. I have operated these businesses since 2003 in Oak Ridge, TN.

I would like to attend the meeting and hope that we can get a lot of Alumni to show up. The above can probably use some editing, feel free. Yours, Rob

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BIOGRAPHY FOR NE 50TH ANNIVERSARY HISTORY

Full Name: Gunter, Timothy C.
Alumni or Faculty: alumni
Years @ GiT NE: 1975-1979
GIT NE Degree(s)/Year(s): B.NE/1979
Current/Most Recent Position: Program Manager

Biographical Highlights:

Tim Gunter is a nuclear engineer with over 30 years of professional experience in nuclear related fields. He is currently the Federal Program Manager for Used Nuclear Fuel Disposition Research and Development in the U.S. Department of Energy’s Office of Nuclear Energy, and manages the R&D program supported by nine national laboratories related to the permanent disposal of used nuclear fuel and high-level radioactive waste. His previous experience includes naval nuclear reactor plant systems testing and nuclear performance assessment at Charleston Naval Shipyard; startup and facility engineering for the DOE Savannah River Site's Defense Waste Processing Facility, the first high-level waste vitrification facility in the U.S.; and the DOE lead for the pre-closure safety assessment and interim project manager for license application completion for the High-Level Waste Repository at Yucca Mountain, Nevada. Member of the American Nuclear Society.

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BIOGRAPHY FOR NE 50TH ANNIVERSARY HISTORY

Full Name: Hanson, Gregory R.
Alumni or Faculty: alumni
Years @ GIT NE: 1985-1991
GIT NE Degree(s)/Year(s): MS/87, PHD/91
Current/Most Recent Position: ECH Senior Project Engineer, US ITER Project Office

Biographical Highlights:

Dr. Hanson accepted the position in June, 2012 of Senior Project Engineer for the Electron Cyclotron Heating System in the US ITER Project Office at Oak Ridge National Laboratory. He has been contributing to the design and development of the ECH transmission line system since 2010.

Dr. Hanson co-led the US design effort for the ITER Low-field Side Reflectometer Conceptual Design, and participated in the successful Conceptual Design Review on May 31–June 1, 2011. He is one of five US representatives on Specialist’s Microwave Working Group of the International Tokamak Physics Association Topical Group on Diagnostics, and has twenty-five years experience in experimental work in RF, microwave and millimeter-wave systems for plasma diagnostics. He leads the Microwave Reflectometry program at ORNL with operating reflectometers on the NSTX, DIII-D and Alcator CMOD tokamaks. He has designed, built and installed the edge profile reflectometer on the Alcator CMOD fusion experiment at the Massachusetts Institute of Technology. This system operates from 100 to 145 GHz and enables, for the first time, comparisons of full-phase and differential-phase reflectometry measurements. He has designed, built, installed and operated reflectometers on six separate toroidal fusion devices - ATF, PBX-M, TFTR, DIII-D, NSTX and Alcator CMOD, and co-developed the technique of differential-phase reflectometry.

Dr. Hanson has also been involved in the development, deployment and utilization of active RFID systems for logistical, property management, and personnel evacuation accountability applications in secure environments; development of a microwave-based wood moisture sensor for real-time control of wood drying kiln; development of the techniques of single- and multi-wavelength Spatial Heterodyne Interferometry and Direct-to-Digital Holography for 3-dimensional surface inspections; and development of techniques for Non-Thermal Plasma Treatment of Exhaust Gases for the reduction of NOx utilizing a pulsed power microwave source for plasma generation and for high-power, high-electric field fast rise time microwave enhanced catalysis for exhaust gases.

Dr. Hanson was named the UT-Battelle 2006 Inventor of the Year for the development of intellectual property portfolios related to energy/environmental control and national security. In 2009, he was made a Distinguished Inventor of Battelle by Battelle Corporation for receiving 18 patents while at Oak Ridge National Laboratory.

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BIOGRAPHY FOR NE 50TH ANNIVERSARY HISTORY

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<td>Current/Most Recent Position:</td>
<td>Environmental Radiation Program Manager, Georgia Environmental Protection Division</td>
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**Biographical Highlights:**

- Served as State of Georgia Radiological Emergency Coordinator (1982 - present)
- Served as one of Georgia's Alternate Commissioners to the Southeast Interstate Low-Level Radioactive Waste Management Commission (1983 - 2008)
- Managed a statewide environmental radiation surveillance and monitoring program (1982-present).
- Evaluated federal government performance in collection and handling of radiological field monitoring data during the TOPOFF 4 exercise (2007 - Phoenix, AZ) and EMPIRE 09 exercise (2009 - Albany, NY).
- Provided radiological subject matter expertise to the Olympics Infrastructure Subcommittee prior to the 1996 Olympic Games in Atlanta.

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BIOGRAPHY FOR NE 50TH ANNIVERSARY HISTORY

Full Name: Harrison III, William B.

Alumni or Faculty: faculty

Years @ Git NE: NE 1957-65

GIT NE Degree(s)/Year(s): None

Current/Most Recent Position: Senior VP Southern Company

Biographical Highlights:

Education
B.S. 1944, M.S. 1949 and PhD 1952 in ChE, Univ. Tennessee

Employment
Tennesse Eastman Holston Ordnance Works, 1941-43
Los Alamos Scientific Laboratory, R&D, 1944-47
Univ. Tennessee, ChE Post-doc & instr, 1949-50
Oak Ridge National Laboratory
Assoc Chem Engr & consult, 1947-50
Development Engr, 1950-52
Georgia Institute of Technology
Assoc Prof ME, 1953-56
Prof ME, 1956-62
Dir Reactor Project, Engr Exp Station, 1957-1962
Dir & Prof, School of NE, 1962-65
Chief Nucl Sci Div, Engr Exp Station, 1962-65
Virginia Polytechnic Institute
Dir Engr Exp Station, 1965-66
Dean Research Div, 1966-69
Southern Company Services
VP Research, 1969-77
Senior VP, 1977-87
Southern Electrical International, VP, 1882-87
Univ. Alabama, Adj Prof ME 1987-88, Consult 1987-97

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**BIOGRAPHY FOR NE 50TH ANNIVERSARY HISTORY**

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<td>Years @ GIT NE:</td>
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<td>Current/Most Recent Position:</td>
<td>Engineering Supervisor / Southern Nuclear / Plant Vogtle</td>
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**Biographical Highlights:**

- BE ME Vanderbilt Univ / 1970
- Masters at GT in 1985
- Westinghouse Field engineer 1972, 73
- Joined Georgia Power 1973
- Worked startup on Plant Hatch Units 1, 2
- Project Manager for Hatch SPDS computer system developed by GTRI, 1981
- Senior Reactor Operator license Plant Vogtle 1989.

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Full Name: Hayward, Erin
Alumni or Faculty: alumni
Years @ GIT NE: 5
GIT NE Degree(s)/Year(s): PhD, 2012
Current/Most Recent Position: Postdoctoral Researcher at CEA Saclay

Biographical Highlights:

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BIOGRAPHY FOR NE 50TH ANNIVERSARY HISTORY

Full Name: Henshaw, Michael Eric

Alumni or Faculty: alumni

Years @ GIT NE: 1981-1982

GIT NE Degree(s)/Year(s): MSNE 1982

Current/Most Recent Position: Principal Engineer, Duke Energy

Biographical Highlights:

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Eric Henshaw is currently a Principal Engineer in Nuclear Engineering Safety Analysis for Duke Energy, located in Charlotte NC. He provides safety analysis support for the Duke nuclear stations (Oconee, McGuire, & Catawba) primarily performing non-loss of coolant (LOCA) updated final safety analysis report (UFSAR) Chapter 15 analyses, and UFSAR Chapter 6 containment response analyses.

Mr. Henshaw started his career at Babcock & Wilcox in 1982 before joining Duke Power’s nuclear generation department safety analysis group in 1984. Since then he has helped develop Duke Energy’s in-house licensing basis methodologies for performing UFSAR Chapter 15 non-LOCA analyses for McGuire & Catawba, UFSAR Chapter 6 containment response (large dry containment) methods for Oconee, UFSAR Chapter 6 containment response (ice condenser) methods for McGuire & Catawba, and UFSAR Chapter 15 non-LOCA analyses for Oconee. He also performed a variety of analyses to support steam generator replacement for all three nuclear stations, and first of kind defense-in-depth and diversity analysis to support the digital reactor protection system replacement at Oconee. He is the technical lead for the Duke Energy ECCS water management project, which eliminated the automatic containment spray functions for the McGuire and Catawba Nuclear Stations.

Mr. Henshaw received a Bachelor of Science in Nuclear Engineering from the State University of New York at Buffalo, and a Master of Science in Nuclear Engineering from the Georgia Institute of Technology. He is a registered professional engineer in North Carolina and South Carolina. He has served as the chairman for the Babcock & Wilcox Owners Group Analysis Committee, and continues to be active on the Pressurized Water Reactor Owners Group Analysis Subcommittee.

Mr Henshaw is married with 2 children, and resides in Charlotte NC.
BIOGRAPHY FOR NE 50TH ANNIVERSARY HISTORY

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<td>Years @ GIT NE:</td>
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<td>GIT NE Degree(s)/Year(s):</td>
<td>Bachelor of Nuclear Engineering/1986</td>
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<tr>
<td>Current/Most Recent Position:</td>
<td>Partner, Gibson Dunn &amp; Crutcher</td>
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Biographical Highlights:

Education:
- J.D. - Georgetown University Law Center, magna cum laude, 1998
- Ph.D. - Massachusetts Institute of Technology, Nuclear Engineering, 1991
- S.M. - Massachusetts Institute of Technology, Nuclear Engineering, 1991
- B.N.E. - Georgia Tech, with highest honors, 1986

Member of honor societies of Alpha Nu Sigma (nuclear), Tau Beta Pi (engineering), Phi Kappa Phi (general academic), Sigma Xi (research), Order of the Coif (law)

Awarded Outstanding Scholastic Achievement Award in Nuclear Engineering by Georgia Tech Woodruff School, 1986

U.S. Department of Energy Radioactive Waste Management Fellow

Mayor, Town of Clifton, Virginia, 2010-present

Town Council, Town of Clifton, Virginia, 2000-2004

Partner, Gibson Dunn & Crutcher, LLP (law firm), 2008-present

Attorney and head of Gibson Dunn's Energy Regulatory practice.
- practice before Federal Energy Regulatory Commission, Nuclear Regulatory Commission, and State Regulatory Commissions
- Regulation, Mergers and Acquisitions, Litigation of energy facilities and companies, included nuclear, wind, solar, gas, coal, biomass, hydro electric power facilities and AC and HVDC transmission

Partner, Pillsbury Winthrop Shaw Pittman (law firm), 2006-2008

Counsel and Associate, Skadden Arps (law firm), 2000-2006

Associate and Regulatory Specialist, Shaw Pittman (law firm), 1996-2000

Nuclear Engineer, TRW Environmental Safety Systems, M&O Contractor for DOE high-level radioactive waste management program, 1991-1996

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Full Name: Hoxie-Key, Susan

Alumni or Faculty: alumni

Years @ GIT NE: 1982-1985

GIT NE Degree(s)/Year(s): MS NE 1985

Current/Most Recent Position: Nuclear Fuel Services Manager, Southern Nuclear Operating Company

Biographical Highlights:

I am originally from Vicksburg, MS. In high school I wanted to study engineering at Georgia Tech, but could not afford the out-of-state tuition. Instead I enrolled at Mississippi State University and graduated with a BS NE in 1978. After that I moved to Augusta, GA, and went to work for DuPont at the Savannah River Plant in the Reactor Technology organization. Over an eleven-year period I worked at Savannah River Plant and Laboratory in a variety of assignments including core design, reactor engineering, system engineering, and technical specification development.

In 1982 I finally got my chance to become a Georgia Tech student. I enrolled in the MS NE curriculum of the Georgia Tech “video program,” which offered one graduate level NE course per quarter. Video tapes of classes were mailed to my office at Savannah River, and I watched the tapes in a conference room at night after work. Special weekend sections of two laboratory courses were conducted on campus for the video students. I had a proctor at Augusta College who received and administered my tests. Because of the transit time involved with a test being mailed to the proctor and then mailed back to the instructor, my final exams were never received and graded by the normal deadlines. For every course but one, my transcript has two entries – one entry with an “I” for incomplete, and then a “grade correction” entry with my actual course grade. In order to graduate with the Georgia Tech Centennial class in December 1985, I came to campus for my last final exam, which was in Dr. Eichholz’s Nuclear Materials class.

In 1990 my family and I moved to Birmingham, AL, so that I could work for Southern Nuclear Operating Company. I have been at Southern Nuclear ever since, working in the nuclear fuel area. For a number of years I was involved in core design and fuel-related licensing, both as a performer and a supervisor. In 2006 I moved into nuclear fuel procurement, and more recently have moved into a management position where, in addition to fuel procurement, I have responsibility for burned fuel inspections and spent fuel characterization for dry cask storage.

I have been married to John Key, who I met at Mississippi State, for 34 years. Our daughter, Kyra, graduated from Georgia Tech with a BS ME in December 2011. She now lives in Houston, TX, where she works for Phillips 66. Our son, Dallas, a licensed pilot instructor, is pursuing his dream of becoming an air transport pilot.

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### BIOGRAPHY FOR NE 50TH ANNIVERSARY HISTORY

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<td>Years @ GIT NE:</td>
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<td>GIT NE Degree(s)/Year(s):</td>
<td>BNE 80</td>
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<td>Current/Most Recent Position:</td>
<td>Retired</td>
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**Biographical Highlights:**

Served in the US Navy as an Engineering Duty Officer at the rank of Lt Commander, retiring in 1992.

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BIOGRAPHY FOR NE 50TH ANNIVERSARY HISTORY

Full Name: Ilas, Germina
Alumni or Faculty: alumni
Years @ GIT NE: 8
GIT NE Degree(s)/Year(s): PhD NE 2002
Current/Most Recent Position: R&D Staff, Oak Ridge National Laboratory

Biographical Highlights:
Graduated from the University of Bucharest in Romania with a degree in engineering physics in 1986. After graduation, researcher with the Institute of Nuclear Power Reactors in Pitesti and the Institute for Semiconductor Materials MATPUR-S.A. in Bucharest, Romania. PhD student in Nuclear Engineering and postdoctoral fellow at Georgia Tech between 1996 and 2004. Research and development staff in the Reactor Physics Group, Reactor and Nuclear Science Division at Oak Ridge National Laboratory since 2004. Active member of the American Nuclear Society Reactor Physics Division. Current research interests include reactor analysis and design, code validation and uncertainty assessment, depletion analysis and source terms for spent nuclear fuel applications.

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BIOGRAPHY FOR NE 50TH ANNIVERSARY HISTORY

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<td>Years @ Git NE:</td>
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<td>BS NRE 2009</td>
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<tr>
<td>Current/Most Recent Position:</td>
<td>Battery Executive Officer</td>
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Biographical Highlights:

- Graduated Georgia Institute of Technology with Bachelors of Science in Nuclear and Radiological Engineering with honors in May of 2009.
- Commissioned as a Second Lieutenant in the United States Marine Corps in May of 2009.
- Completed The Basic School in April of 2010 in Quantico, VA.
- Completed Field Artillery Officer’s Basic Course in September of 2010 in Lawton, OK.
- Served as a Platoon Commander and Fire Direction Officer in 2d Battalion, 10th Marines from January 2011 to July 2011 in Camp Lejeune, NC.
- Deployed to Afghanistan in support of Operation Enduring Freedom 12.1 as a Forward Observer with 2d Battalion, 9th Marines from December 2011 to June 2012.
- Currently serve as a Battery Executive Officer in 2d Battalion, 10th Marines.

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## BIOGRAPHY FOR NE 50TH ANNIVERSARY HISTORY

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<td>Years @ GIT NE:</td>
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<td>GIT NE Degree(s)/Year(s):</td>
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<td>Current/Most Recent Position:</td>
<td>Executive Consultant GDS Associates, Inc.</td>
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### Biographical Highlights:

- Vogtle 3 and 4 Independent Construction Monitor for the Georgia Public Service Commission.
- Consultant to the Florida Office of Public Counsel on new nuclear units at Levy County and Turkey Point 7 and 8 and on Extended Power Uprates at Crystal River

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BIOGRAPHY FOR NE 50TH ANNIVERSARY HISTORY

Full Name: Jannik, Gerald T.
Alumni or Faculty: alumni
Years @ GiT NE: 1984-1988
GIT NE Degree(s)/Year(s): MS Health Physics 1988
Current/Most Recent Position: Principal Technical Advisor at the Savannah River National Laboratory

Biographical Highlights:

Tim Jannik is a Principal Technical Advisor at the Savannah River National Laboratory (SRNL). He has over 30 years of experience in the nuclear industry, 23 of which have been at the Savannah River Site. Tim is the technical lead of the Environmental Dosimetry Group at SRNL and he specializes in 1) environmental dosimetry and radioecology, 2) effluent and environmental monitoring, and 3) human health risk analyses. He is the current Past-President of the Environmental/Radon Section of the Health Physics Society. Tim has a bachelor’s degree in mechanical engineering from Villanova University and a master’s degree in health physics from the Georgia Institute of Technology.

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### BIOGRAPHY FOR NE 50TH ANNIVERSARY HISTORY

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<td>GIT NE Degree(s)/Year(s):</td>
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<tr>
<td>Current/Most Recent Position:</td>
<td>Supervisor, Core Analysis at Southern Nuclear</td>
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#### Biographical Highlights:

After graduating spent five years as a Core Designer within the Nuclear Fuel Division at Westinghouse. I also worked in the core physics methods area. From 1987 until present I have worked for Southern Nuclear in Core Analysis within the Nuclear Fuel Department. I continued my efforts in the methods area by implementing Westinghouse core design methods at Southern. While working in core design, I became a Project Engineer in 1998 and a Core Analysis Supervisor in 2006 until present. I have worked on and lead a variety of efforts within PWR core design and have continued working with Westinghouse as utility chairmen of their Technology Users Group over the last 20 years.

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BIOGRAPHY FOR NE 50TH ANNIVERSARY HISTORY

Full Name: Jones, Cynthia Gillian
Alumni or Faculty: alumni
Years @ GIT NE: 1985-6
GIT NE Degree(s)/Year(s): MS HP 1986
Current/Most Recent Position: Nuclear Safety Attache in Vienna, Austria

Biographical Highlights:

Dr. Cynthia G. Jones currently serves as the Nuclear Regulatory Commission's (NRC's) Nuclear Safety Attaché at the U.S. Mission to International Organizations in Vienna, Austria. The Nuclear Safety Attaché serves as the U.S. Mission’s expert on nuclear safety issues and programs and provides programmatic and policy oversight of the International Atomic Energy Agency’s (IAEA) safety program on behalf of the United States. Dr. Jones has extensive international experience in both radiation safety and nuclear security, and has published more than 95 publications, reports or speeches in the fields of nuclear science and radiological protection.

Since 2003, she has been the Senior Technical Advisor for Nuclear Security at NRC responsible for providing technical expertise and policy guidance on nuclear security, safeguards, and radiological protection issues. In 2011, Dr. Jones was elected as one of 100 scientific experts worldwide to serve as a Council Member to the U.S. National Council on Radiation Protection and Measurements (NCRP).

Prior to her career with NRC, Jones worked for several governmental and university institutions in the areas of nuclear engineering, radiation protection and environmental sciences. Dr. Jones has a Ph.D. and M.S. degree in Nuclear Engineering from the University of Maryland, a M.S. in Health Physics from the Georgia Institute of Technology, and a bachelor's degree in Physics from Augsburg College, Minneapolis, Minnesota.

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<td><strong>Current/Most Recent Position:</strong></td>
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BIOGRAPHY FOR NE 50TH ANNIVERSARY HISTORY

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<thead>
<tr>
<th>Full Name:</th>
<th>Kamishlian, James M.</th>
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<td>Alumni or Faculty:</td>
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<tr>
<td>Years @ GIT NE:</td>
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<td>GIT NE Degree(s)/Year(s):</td>
<td>BSNE/84</td>
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<tr>
<td>Current/Most Recent Position:</td>
<td>Senior Risk Analyst GE Power Generation Services</td>
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Biographical Highlights:

- Qualified Nuclear Engineer Office 1989.
- Proba

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### BIOGRAPHY FOR NE 50TH ANNIVERSARY HISTORY

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<td>Years @ GIT NE:</td>
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<td>GIT NE Degree(s)/Year(s):</td>
<td>MS HP 1974</td>
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<tr>
<td>Current/Most Recent Position:</td>
<td>Sr. HP, CDC</td>
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BIOGRAPHY FOR NE 50TH ANNIVERSARY HISTORY

Full Name: Kleinhans, Kyle

Alumni or Faculty: alumni

Years @ GIT NE: 1981 - 1985

GIT NE Degree(s)/Year(s): BSHP 1985

Current/Most Recent Position: Radiological Engineer, Y-12 National Security Complex

Biographical Highlights:

B&W Y-12, 02/08 - present, Radiological Engineer

Foxfire Scientific, Inc, 12/08 - 06/09, Dose Reconstructor for EEIOCPA.

Pro2Serve, 11/07 - 02/08, Senior Project Manager

CHP Consultants, 12/05 - 02/07, Dose Reconstructor for EEIOCPA.

Bechtel Jacobs Co, LLC, 04/03 - 11/07, Project Health Physicist

MJW Corporation, 02/03 - 11/03, Internal Dose Reconstructor for EEIOCPA

MACTEC Constructors, Inc, 03/01 - 04/03, Principal Health Physicist

Foster Wheeler Environmental Corporation, 02/99 - 03/01, Supervising Health Physicist

Science Applications International Corporation, 08/98 - 02/99, Radiological Engineering Manager

MK-Ferguson of Oak Ridge Company, 03/95 - 07/98, Y-12 Site Health Physics Supervisor

Oak Ridge National Laboratory, 10/93 - 03/95, Health Physics Team Leader

K-25 Site, 11/90 - 09/93, Health Physics Operations Technical Support Supervisor

Westinghouse Savannah River Company, 10/88 - 10/90, Health Physicist

NUS Corporation, 9/87 - 10/88, Health Physicist

Westinghouse Hanford Company, 02/86 - 09/87, Health Physics Engineer

AWARDS - American Academy of Health Physics National Service Award

PROFESSIONAL AFFILIATIONS

American Academy of Health Physics (AAHP) Plenary Member

AAHP Director, 2012 - 2014

AAHP Past Nominating Committee Member

AAHP Past Standard Operating Procedures Ad Hoc Committee Member

American National Standards Institute N13.48 - Past Working Group Member

American National Standards Institute N13.60 - Past Consultant to the Working Group

Associate Editor/Editor of the CHP News

East Tennessee Chapter of the Health Physics Society - Member, Secretary, President-Elect, President, Past-President, Chair of the Awards and Nominating Committee

Health Physics Society (HPS) Plenary Member

HPS Decommissioning Section - Member

HPS Radiation Safety Officer Section - Member & Nominating Committee Member

HPS Past Science Teacher Workshop Committee Member

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**BIOGRAPHY FOR NE 50TH ANNIVERSARY HISTORY**

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<th><strong>Full Name:</strong></th>
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<tr>
<td><strong>Years @ GIT NE:</strong></td>
<td>1988-1992</td>
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<td><strong>GIT NE Degree(s)/Year(s):</strong></td>
<td>MS 92</td>
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<td><strong>Current/Most Recent Position:</strong></td>
<td>Director, Army Radiation Safety</td>
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**Biographical Highlights:**

Greg is currently the Director, Army Radiation Safety working in the Office of the Chief of Staff of the Army, Army Safety Office. He and his staff develops, manages, and promulgates radiation safety policy and for workers on more than 100 installations world-wide, as well as deployed soldiers. He is also serving as the chair of the new DOD Ionizing Radiation working group.

Greg has a Bachelors of Science in Chemistry from Gonzaga University and a Masters of Science in Health Physics from Georgia Institute of Technology. He has been a member of the National Health Physics Society since 1986 and has served on the Health Physics Symposia Committee, the Continuing Education Committee, and the Homeland Security Committee. He was recognized as a Fellow of the Health Physics Society in 2009. Greg is certified by the American Board of Health Physics. He served as program Chairman for the 1998 Midyear Meeting held in Mobile Alabama. He was active in the Alabama Chapter serving as President, Treasurer, and Executive Council Member and is currently a member of the Baltimore Washington Chapter and Virginia Chapter.

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**BIOGRAPHY FOR NE 50TH ANNIVERSARY HISTORY**

| Full Name: | Lake, James A. |
| Alumni or Faculty: | alumni |
| Years @ GIT NE: | 1967-72 |
| GIT NE Degree(s)/Year(s): | PhD (1972), MS (1969) |
| Current/Most Recent Position: | Associate Laboratory Director (retired), Idaho National Laboratory |

**Biographical Highlights:**

James A. Lake, PhD
Dr. James Lake retired from the Idaho National Laboratory (INL) in 2008 to form his own company, James Lake & Associates, Inc. This followed a career of more than 33 years providing R&D service to DOE, most recently as the Associate Laboratory Director for Nuclear Programs at the INL, the Nation’s lead laboratory for nuclear energy research and development. Dr. Lake’s responsibilities included leadership of a $150M portfolio of R&D programs for advanced reactors and fuel cycle systems, radioisotope power systems for space exploration, nuclear science and engineering R&D, nuclear safety programs for NRC, fusion safety, and high-temperature hydrogen production.

A major accomplishment of his career was the influential role he played in the revitalization of the DOE's nuclear energy R&D programs and the reawakening of interest in nuclear power for its energy security and environmental benefits in the late 1990s. In 2000-1, Dr. Lake served as the elected President of the American Nuclear Society, a professional organization of more than 11,000 members devoted to the peaceful uses of nuclear science and technology. He visited more than 11 countries and 70 Congressional and Govt. offices, and provided invited testimony to Congress on nuclear energy issues. Dr. Lake conducted dozens of TV, newspaper, and magazine interviews (including CNBC Power Lunch, Washington Post, Wall St. Journal, US News, Business Week, National Geographic, Washington Times, and he wrote a feature article on "Next Generation Nuclear Power" for Scientific American in 2002). Dr. Lake briefed President George W. Bush on the potential for advanced nuclear power systems in 2005.

Dr. Lake earned a BA in Physics from Hanover College, a MA in Physics from Miami University (Ohio), and MS and PhD degrees in Nuclear Engineering from the Georgia Institute of Technology where he was elected to the Georgia Tech Academy of Distinguished Engineering Alumni in 1996. He served on Advisory Committees for the George W. Woodruff School of Mechanical Engineering at Georgia Tech, for the NE Dept. at Texas A&M University, for the College of Engineering at Oregon State University, and for U.S. Senator Larry Craig (R-ID). Dr. Lake is a Fellow of the American Nuclear Society. He holds 2 U.S. Patents, he is the author of more than 35 refereed Journal and Conference papers, and he presented numerous invited Keynote and Plenary Addresses at national and international conferences.

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BIOGRAPHY FOR NE 50TH ANNIVERSARY HISTORY

Full Name: Lando, Anthony
Alumni or Faculty: alumni
Years @ GIT NE: 1977-1978
GIT NE Degree(s)/Year(s): MSANS / 1978
Current/Most Recent Position: CEO, TIF Management LLC.

Biographical Highlights:

Anthony Lando currently resides in Georgia and is CEO of The Innovation Factory (TIF) and a partner in Accuitive Medical Ventures, a $225M venture capital fund. TIF is a vehicle for disciplined and efficient management of emerging healthcare opportunities. TIF identifies, evaluates, coordinates finances with proprietary sources and professionally manages emerging healthcare opportunities.

With an experienced management team and top-tier funding partners, we have assembled the intellectual, scientific, operational and financial resources needed to take a great idea from paper to production. Since 2000, twelve companies have been created, financed and managed through the formative investment rounds creating significant shareholder value. In all, TIF has raised in excess of $500 million in initial and follow-on financings. Prior to joining The Innovation Factory, Mr. Lando was COO of BTG plc., a UK public company focused on harnessing innovation, developing early stage technologies and executing commercial strategies in the life science, IT, engineering and healthcare markets.

Prior positions include Senior Marketing and Product Development with Philips Medical Systems in the areas of digital radiography, cardiovascular imaging and PACS.

Mr. Lando began his career with Stone & Webster Engineering as an Environmental Physicist in the nuclear power division. Post-TMI Mr. Lando was the senior diagnostic physicist at St. Vincent's Hospital in New York City and is certified by the American Board of Radiology. He holds a BS in Physics from Manhattan College and graduate degrees in Nuclear Engineering and Imaging Physics from Georgia Tech and the University of California, respectively.

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BIOGRAPHY FOR NE 50TH ANNIVERSARY HISTORY

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<td>Years @ GIT NE:</td>
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<td>Current/Most Recent Position:</td>
<td>Manager Applied Computational Engineering and Statistics, Savannah River National Lab</td>
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BIOGRAPHY FOR NE 50TH ANNIVERSARY HISTORY

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<td>Years @ GIT NE:</td>
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<td>MSNE/1974</td>
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<td>Current/Most Recent Position:</td>
<td>Manager, west coast operations, Enercon Services Inc.</td>
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Biographical Highlights:

Manager, West Coast Operations, Enercon Services Inc.
Director, Nuclear Engineering Department, Pacific Gas and Electric Company

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BIOGRAPHY FOR NE 50TH ANNIVERSARY HISTORY

Full Name: Lizzo, Nicholas S.
Alumni or Faculty: alumni
Years @ GIT NE: 1979 - 1980
GIT NE Degree(s)/Year(s): BSNE '80
Current/Most Recent Position: SM IPEC SRO

Biographical Highlights:
MS & Nucl. Eng MIT '88
Radioactive Waste Manager, Shoreham Decommissioning
Licensed Senior Reactor Operator, Shift Manager, Indian Point Energy Center
Adjunct Professor of Mechanical Engineering -
Manhattan College, Stonybrook University, RPI
Inducted into Georgia Tech Lacrosse Hall of Fame

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**BIOGRAPHY FOR NE 50TH ANNIVERSARY HISTORY**

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<td>MS NE 1968</td>
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<td>Current/Most Recent Position:</td>
<td>VP Technical Support Southern Nuclear</td>
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**Biographical Highlights:**

- BS Physics-66, MS NE-'68. Georgia Tech
- US Army '68-'70 Vietnam, Bronze Star
- Southern Company Services '70-'88: VP Technical Services, 1987
- Southern Nuclear Operating Co. '88-'07: VP Technical Support
- Chairman, Advanced Reactor Corp, '95-'96
- Chairman, EPRI Robust Fuel Program, '98-'03
- Chairman, EPRI New Nuclear Plant Deployment, 04-'07
- Chairman, NEI High Level Waste Working Group, '04-'05
- WANO Nuclear Excellence Award '07

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<td>GIT NE Degree(s)/Year(s):</td>
<td>MSNE 2012</td>
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<td>Current/Most Recent Position:</td>
<td>Graduate Research Assistant</td>
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**Biographical Highlights:**

- Hometown: Gorham, ME
- Undergraduate Degree: BSME, Georgia Tech 2009
- Graduate Thesis Advisor: Dr. Chaitanya Deo
- Master’s thesis title: An Investigation of Metastable States in Ab-initio Simulations of Mixed Actinide Ceramic Oxide Fuels
- Other: Georgia Tech Football/Volleyball Superfan
- 100m/200m sprinter
- Pokemon Master

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BIOGRAPHY FOR NE 50TH ANNIVERSARY HISTORY

Full Name: Lorenzo, Donald K.
Alumni or Faculty: alumni
Years @ GIT NE: 4
GIT NE Degree(s)/Year(s): BNE/1977; MSNE/1977
Current/Most Recent Position: Senior Technical Director

Biographical Highlights:

Mr. Lorenzo began his career in nuclear fuel reprocessing and then moved into analysis of other hazardous chemical systems. He is an expert in process safety management, process hazard analysis, and incident investigation. He has managed and performed hundreds of process hazards analyses, risk analyses, and incident investigations associated with manufacturing, using, separating, storing, or destroying hazardous materials. He has taught process safety and reliability analysis techniques to thousands of engineers. He is coauthor of several widely referenced books, including A Manager's Guide to Reducing Human Error; Guidelines for Risk Based Process Safety; Guidelines for Hazard Evaluation Procedures, Second Edition with Worked Examples; and A Manager's Guide to Quantitative Risk Assessment. He received an Outstanding Young Engineer Award from Georgia Tech.

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**BIOGRAPHY FOR NE 50TH ANNIVERSARY HISTORY**

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<td>GIT NE Degree(s)/Year(s):</td>
<td>MSHP</td>
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<td>Current/Most Recent Position:</td>
<td>HEALTH PHYSICIST</td>
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**Biographical Highlights:**

HEALTH PHYSICIST, 1980-PRESENT, PEARL HARBOR NAVAL SHIPYARD

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BIOGRAPHY FOR NE 50TH ANNIVERSARY HISTORY

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<td>Years @ GIT NE:</td>
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<td>GIT NE Degree(s)/Year(s):</td>
<td>Ph.D./2010</td>
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<tr>
<td>Current/Most Recent Position:</td>
<td>Research associate, Institute of Plasma Physics, Chinese Academy of Sciences</td>
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Biographical Highlights:

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BIOGRAPHY FOR NE 50TH ANNIVERSARY HISTORY

Full Name: Mahaffey, James A.
Alumni or Faculty: alumni
Years @ GIT NE: 1974-1979
GIT NE Degree(s)/Year(s): MS 1974, PhD 1979
Current/Most Recent Position: writer

Biographical Highlights:

While working on my PhD in nuclear engineering I was hired at EES as an assistant research engineer working on the digital aspects of government radar projects. Upon graduation, I was hired to work full time at EES, and I stayed there 25 years. In 1979, using my recent experience with military computers, I won a contract with USNRC Research to design a seismically hardened computer system for the LOFT reactor at INEL. My final report was NUREG-CR-2118, Reactor Safety System Design Using Hardened Computers." About that time the TMI accident had occurred and the USNRC came out with NUREG-0696 requiring nuclear plants to retrofit a computer-driven Safety Parameter Display System meeting IEEE seismic specifications. My work at INEL fit right in to that requirement and I and the School of NE won a contract with Ga. Power to design and build the required systems for two reactors at Plant Hatch in Baxley GA. That kept me busy for several years. Atop that project I also won a contract from the USDOE to do a complete "bottom-up" analysis of every pipe valve actuator and sensor at Plant Hatch in Baxley GA. In 1989 I headed an internal project at GTRI to replicate the Pons-Fleischman cold fusion experiment. We announced confirmation of the cold-fusion effect but we had to immediately un-announce it when we found that neutron signals were the result of water vapor leaking past the seal in a BF3 instrument. We were unable to confirm the Pons-Fleischman findings.

For the past four years I have been a writer working in my office at home. My first book Atomic Awakening: A New Look at the History and Future of Nuclear Power was published by Pegasus Books in 2009. It has sold all over the world in bookstores from Iran to Latvia and is in libraries from Los Alamos to the Vatican. It was bought by the Scientific American Book Club has been used as a college text and has been translated into Chinese. After that I wrote six books for Facts on File for use by high school seniors or college freshmen. I signed a new contract with Pegasus and am currently writing a sequel to Atomic Awakening Atomic Accidents. This book will cover the Fukushima disaster and everything leading up to it. It's difficult these days to get a publisher to buy a book concept or even to sign with a literary agent but I found that my PhD in nuclear engineering is an excellent credential and can open many doors. It was not difficult at all."

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### BIOGRAPHY FOR NE 50TH ANNIVERSARY HISTORY

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<td>Git NE Degree(s)/Year(s):</td>
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<td>Current/Most Recent Position:</td>
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Biographical Highlights:

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### BIOGRAPHY FOR NE 50TH ANNIVERSARY HISTORY

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<td>Years @ Git NE:</td>
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<td>GIT NE Degree(s)/Year(s):</td>
<td>MSNE</td>
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<td>Current/Most Recent Position:</td>
<td>professor of NE</td>
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**Biographical Highlights:**

Borut Mavko received BS(1967) and MS(1971) degrees in electrical engineering, from University of Ljubljana, Slovenia; MS NE(1972) from Georgia Institute of Technology, USA, and a PhD (1979) from the University of Maribor, Slovenia. He has more than 40 years of experience associated with nuclear engineering and technology, particularly in the areas of construction, licensing and operation, and emergency planning, nuclear research and education. His experience includes being the Department Head of the Reactor Engineering Division of the J. Stefan Institute (JSI) in Ljubljana and a full professor of nuclear engineering at the University of Ljubljana in Slovenia. His research interests include nuclear safety, transient and accident analysis, probabilistic safety analysis. On these subjects he has authored or co-authored several hundred journal and conference publications and served as chief scientist, supervisor of university students, consultant with Talisman International and Expert on various technical committees and missions of OECD Nuclear Energy Agency and the International Atomic Energy Agency (IAEA). He has been actively involved in different capacities, with multilateral safety research projects and educational programs, in the European Union and globally. He is an editor of Nuclear Engineering and Design and a full member of the Engineering Academy of Slovenia.

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BIOGRAPHY FOR NE 50TH ANNIVERSARY HISTORY

Full Name: McLain, Milton E.

Alumni or Faculty: alumni

Years @ GIT NE: 1964 - 1973

GIT NE Degree(s)/Year(s): Ph.D. 1972

Current/Most Recent Position: Laboratory Supervisor, Nuclear Science Center

Biographical Highlights:

After leaving GIT in 1973, spent two years as Staff Member at Los Alamos Scientific Laboratory in New Mexico; 6 years as Associate Professor, Dept. of Mechanical Engineering (Nuclear Program) at University of Arkansas (Fayetteville); and 12 years as Professor in Dept. of Nuclear Engineering (Health Physics Program) at Texas A&M University (College Station). Also served as Director of Office of Radiological safety and Radiological Safety Officer for TAMU during this period. Author or co-author of more than 50 technical publications and two U.S. Patents. Retired in June 1995. Currently residing in The Woodlands, Texas, north of Houston.

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BIOGRAPHY FOR NE 50TH ANNIVERSARY HISTORY

Full Name: McLellan, Katharine
Alumni or Faculty: alumni
Years @ GIT NE: 1985-1986
GIT NE Degree(s)/Year(s): MS HP 1986
Current/Most Recent Position: Health Physicist, Department of Energy

Biographical Highlights:

Katharine McLellan serves as the President-Elect of the Baltimore Washington Chapter of the Health Physics Society. She has served as the BWC Newsletter Editor since 2009. She has been the Program Coordinator for the First Responder Assistance Training Program since 2009. Katharine served on the Local Arrangements Committee for the National HPS meeting in Washington DC in 2004 and is a member of the Local Arrangements Committee for the HPS meeting to be held in Baltimore, MD in 2014. Additionally, Katharine is an active participant on the Hazmat Subcommittee and WMD Preventative Radiological Nuclear Detection Program Subcommittee with the Metropolitan Washington Council of Governments. She participates on the WMD PRND Concept/Conduct of Operations, Equipment and Capabilities and Training and Exercise Working Groups. Katharine is currently employed by the Department of Energy, Office of Environmental Policy and Assistance, Office of Health, Safety and Security.

Katharine was employed by the Division of Radiation Safety, National Institutes of Health. She provided radiation safety management for research laboratories, facilities and individuals using radiation sources such as radioactive tracers, sealed sources, X-ray machines and other radiation producing devices, irradiators, brachytherapy and other therapy sources. She provided radiation safety consultation and technical assistance and training to researchers, junior staff and support staff. She was the responder for responding to emergencies involving radioactive materials, area and personnel decontamination and directing operations and emergency procedures leading to a successful return to normal conditions. She was a lecturer and active participant in the Division’s comprehensive training program for users of radiation sources. She designed and developed specialized training programs and exercises for the NIH Fire and Police Department, and Mutual Aid Responders for emergencies in radioactive materials areas on campus.

She served a detail to the Division of Emergency Preparedness and Coordination where she served as a Subject Matter Expert to assist in planning for emergency incidents that might involve radioactive materials or radiation devices on campus.

Katharine has a background in operational health physics and emergency response. Katharine graduated with a Master’s Degree in Health Physics from Georgia Institutes of Technology and a BA in Chemistry/Biology from Regis College.

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**BIOGRAPHY FOR NE 50TH ANNIVERSARY HISTORY**

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<td>bne</td>
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<td>Current/Most Recent Position:</td>
<td>CEO</td>
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**Biographical Highlights:**

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**BIOGRAPHY FOR NE 50TH ANNIVERSARY HISTORY**

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<td>GIT NE Degree(s)/Year(s):</td>
<td>1980</td>
</tr>
<tr>
<td>Current/Most Recent Position:</td>
<td>Managing Consultant</td>
</tr>
</tbody>
</table>

**Biographical Highlights:**

I left Westinghouse in '84 and went to CMU for an MBA, which I used to get myself into another line of business since Nuclear was killed by Three Mile Island. Went back to Atlanta (hated Pittsburgh weather), where I could play tennis year round (still do), and got a job with a private software company that wrote strategic planning software. I had enough of big companies and really liked it. Rose was able to get transferred w/IBM and soon we had 2 boys. In ’92 EDS bought my company and here I was back at a big company. I was able to stay with the strategic planning stuff and moved into a small group that did IT strategy consulting. Rose ended up leaving IBM to stay home with the kids for a while. I told her I would stay home instead but she didn’t go for it? Then she went into teaching and now teaches 6th grade math. In ’08 HP bought us and now I work for an even bigger company. I am sorry I had to leave the nuclear business but couldn’t wait 25 yrs for it to come back.

Over the past couple of decades I have been able to travel quite a bit which has been fun and have worked in Australia, Thailand, Venezuela, Kazakhstan, Phillipines, Abu Dhabi, Israel, and most every major city in the US at some point. We took the kids on a big trip to Australia/Thailand to see some of the places I visited but never had much chance to enjoy.

My oldest, Doug is a senior at Georgia Tech, industrial systems engineering, and already has a job even though he graduates in May. He is very smart and works hard. GT is wondering if he is really my son....Rose takes all the credit. My youngest, Dennis, is a freshman at Auburn. We don’t know how he is doing yet but know he is having fun and needs more money. He is majoring in building science and construction.

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BIOGRAPHY FOR NE 50TH ANNIVERSARY HISTORY

Full Name: MEFTAH, Brahim
Alumni or Faculty: alumni
Years @ GIT NE: 1975-1982
GIT NE Degree(s)/Year(s): MSC, PhD
Current/Most Recent Position: Director

Biographical Highlights:

Born in 1949 at Guemar (Algeria), Brahim MEFTAH enrolled at Georgia Tech school of nuclear engineering in September 1975. He holds a B.Sc degree in Electrical Engineering from the National Polytechnic School of Algiers and M.Sc and Ph.D degrees in Nuclear Engineering from the Georgia Institute of Technology. He is a Senior Researcher and an Associate Professor.

He spent his career within the Algerian nuclear sector activating in the fields of Research & Development and Higher Education:

1983-1987: Head of the Reactor Physics Division, Energy Conversion Development Center, Algiers
1988-1989: Director General, Energy Systems Development Center, Ain-Oussera
1990-2005: Senior Researcher, Draria Nuclear Research Center, Draria â€“ Algiers
2006-2007: Director General, Draria Nuclear Research Center, Draria â€“ Algiers.

Since September 2007, Mr. MEFTAH is working as a Director of Studies at the Algerian Atomic Energy Commission (COMENA)

Mr. MEFTAH is the author or co-author of numerous published articles in the fields of nuclear science and technology.

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BIOGRAPHY FOR NE 50TH ANNIVERSARY HISTORY

<table>
<thead>
<tr>
<th>Full Name:</th>
<th>Mis, Frederic J.</th>
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<tbody>
<tr>
<td>Alumni or Faculty:</td>
<td>alumni</td>
</tr>
<tr>
<td>Years @ GIT NE:</td>
<td>1992-96</td>
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<tr>
<td>GIT NE Degree(s)/Year(s):</td>
<td>Ph.D, 1996</td>
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<tr>
<td>Current/Most Recent Position:</td>
<td>Radiation Safety Officer, U of Rochester</td>
</tr>
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</table>

**Biographical Highlights:**

- After PhD., Manager of Chemistry at Ginna Nuclear Power Plant from 1997 to 2003.
- INPO Chemistry evaluator from 2003-05
- Corporate Director of RP and Chemistry for Constellation Nuclear, Baltimore, Md
- Retired from Constellation in 2010
- A first responder to Fukushima in April 2011 performing environmental analysis and assessment.
- Selected to be Radiation Safety Officer and faculty at University of Rochester School of Medicine and Dentistry in 2011, current position.

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**BIOGRAPHY FOR NE 50TH ANNIVERSARY HISTORY**

<table>
<thead>
<tr>
<th>Full Name:</th>
<th>Montague, David F</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alumni or Faculty:</td>
<td>alumni</td>
</tr>
<tr>
<td>Years @ GIIT NE:</td>
<td>1974 - 1977</td>
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<td>GIT NE Degree(s)/Year(s):</td>
<td>B.N.E./1977</td>
</tr>
<tr>
<td>Current/Most Recent Position:</td>
<td>Sr. VP - Strategic Business Initiatives</td>
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BIOGRAPHY FOR NE 50TH ANNIVERSARY HISTORY

<table>
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<tr>
<th><strong>Full Name:</strong></th>
<th>Moore, Brian Randolph</th>
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<td><strong>Alumni or Faculty:</strong></td>
<td>alumni</td>
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<tr>
<td><strong>Years @ GIT NE:</strong></td>
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<tr>
<td><strong>GIT NE Degree(s)/Year(s):</strong></td>
<td>B.NE 1991, M.S. 1992</td>
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<tr>
<td><strong>Current/Most Recent Position:</strong></td>
<td>Engineering Leader, Methods &amp; Software Development, GE Hitachi Nuclear Energy</td>
</tr>
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Biographical Highlights:

Brian attended Georgia Institute of Technology and graduated with B.S./M.S. Degrees in Nuclear Engineering in 1991 and 1992, respectively. Awarded a Dept. of Energy Computational Science Graduate Fellowship, he completed the Computational Engineering and Sciences Interdisciplinary Graduate Program at North Carolina State University and graduated with a Ph.D. in Nuclear Engineering in 1996. His dissertation was on Higher Order Generalized Perturbation Theory for Boiling Water Reactor In-Core Nuclear Fuel Management.

He joined the nuclear methods group of the Fuels Division of General Electric Nuclear Energy in 1996 located in Wilmington, NC. In 2000, the fuels divisions of GE, Hitachi, and Toshiba formed the Global Nuclear Fuel (GNF) joint venture. Since 2001, he has lead and managed a very creative team of 20-30 professionals with nuclear engineering, computational physics, and software engineering expertise. Their responsibilities are simulation tool development, consulting, and regulatory licensing for the detailed nuclear, multi-phase thermal-hydraulic transport, and thermal-mechanical mechanisms for the reactor core, fuel, and plant during short-term scenarios and long-term operation as well as improving productivity for those applying these technology tools routinely.

Brian is now Engineering Leader for the Methods & Software Development Center of Excellence encompassing analytical predictive tool, process improvement, and operational core monitoring for both GE-Hitachi Nuclear Energy and Global Nuclear Fuel.

Brian is married to Lisa, and they have two children ages 13 and 15. He enjoys spending his time with his family, playing lead trumpet at church, drawing, painting, reading and studying Japanese.

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BIOGRAPHY FOR NE 50TH ANNIVERSARY HISTORY

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<tr>
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<tr>
<td>GIT NE Degree(s)/Year(s):</td>
<td>MS, 1995</td>
</tr>
<tr>
<td>Current/Most Recent Position:</td>
<td>Contractor</td>
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Biographical Highlights:

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Full Name: Murphy PE, William J.
Alumni or Faculty: alumni
Years @ GIT NE: 2001 - 2005
GIT NE Degree(s)/Year(s): BS NRE, 2005
Current/Most Recent Position: Lead Engineer, Spent Fuel Management, Catawba Nuclear Station

Biographical Highlights:

William Murphy is the lead engineer for spent nuclear fuel storage at Catawba Nuclear Station near York, SC, operated by Duke Energy. He received his B.S. in Nuclear and Radiological Engineering from GA Tech in 2005 and his Professional Engineering certification in South Carolina in 2009. From 2005 to 2007, William served as a spent fuel criticality safety analyst supporting Duke Energy’s nuclear fleet. For the balance of his career William’s duties have shifted to implementation and operation of Catawba’s Independent Spent Fuel Storage Installation (ISFSI). William serves on the international Extended Storage Collaboration Program (ESCP), which is considering the technical and licensing hurdles in storage of spent nuclear fuel for upwards of 300 years.

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**BIOGRAPHY FOR NE 50TH ANNIVERSARY HISTORY**

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<th>Myers, Christopher</th>
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<tr>
<td>Years @ GIT NE:</td>
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<tr>
<td>GIT NE Degree(s)/Year(s):</td>
<td>BS NRE 2007 MS MP 2008</td>
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<tr>
<td>Current/Most Recent Position:</td>
<td>Sr. Technical Staff Y-12 National Security Complex</td>
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Biographical Highlights:

PhD Nuclear Engineering Texas A&M University 2012

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**Biographical Highlights:**


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Full Name: Norman, Clyde D

Alumni or Faculty: alumni

Years @ GIT NE: 1972-1976

GIT NE Degree(s)/Year(s): BNE 1976

Current/Most Recent Position: Real Estate Broker / IT

Biographical Highlights:

I never got to work in the nuclear industry. I received a MSME at GT the following years and ended up in the aerospace industry as a heat transfer specialist. From there, I embraced the world of programming and the computer graphics and subsequently the web. Currently doing a combination of the latter along with running a real estate brokerage at the beach.

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### BIOGRAPHY FOR NE 50TH ANNIVERSARY HISTORY

**Full Name:** Patterson II, John W.

**Alumni or Faculty:** alumni

**Years @ GIT NE:** 1976-1978

**GIT NE Degree(s)/Year(s):** BSNE/1978

**Current/Most Recent Position:** Sr Nuclear Consultant

<table>
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<th>Biographical Highlights:</th>
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<tbody>
<tr>
<td>Nuclear operations, training, and oversight.</td>
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<tr>
<td>Train commercial nuclear plant operators, engineers, and maintenance technicians.</td>
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<tr>
<td>Train DOE special materials production reactor operators.</td>
</tr>
<tr>
<td>Develop operating and testing procedures for nuclear plant systems.</td>
</tr>
<tr>
<td>Institute of Nuclear Power Operations (INPO) Training Evaluator</td>
</tr>
<tr>
<td>NRC/SRO license.</td>
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BIOGRAPHY FOR NE 50TH ANNIVERSARY HISTORY

Full Name: Patton, Bruce

Alumni or Faculty: alumni

Years @ GIT NE: 1984-1986

GIT NE Degree(s)/Year(s): MSNE/1986

Current/Most Recent Position: Research Staff Member, ORNL

Biographical Highlights:

B.S. Physics, Louisiana Tech University
M.S.N.E, Georgia Institute of Technology
Ph.d. Nuclear Engineering, University of Michigan

I served as an officer in the US Nuclear Navy, and I have held several positions with industry, national laboratories, and government agencies (NASA).

My expertise is in the area of simulation and modeling in the fields of reactor physics, criticality safety, and radiation shielding. I have extensive experience with all of the SCALE software modules (KENO, Tsunami, ORIGEN) and MCNP.

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BIOGRAPHY FOR NE 50TH ANNIVERSARY HISTORY

<table>
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<tr>
<th>Full Name:</th>
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<td>alumni</td>
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<tr>
<td>Years @ GIT NE:</td>
<td>1980-1981</td>
</tr>
<tr>
<td>GIT NE Degree(s)/Year(s):</td>
<td>MSHP 1981</td>
</tr>
<tr>
<td>Current/Most Recent Position:</td>
<td>Supervisor - Nuclear</td>
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</tbody>
</table>

Biographical Highlights:

- Georgia Power Company
  - 1981-83 Health Physicist @ Plant Hatch
  - 1983-85 Sr Health Physicist @ Plant Vogtle
  - 1985-94 Sr Health Physicist @ Environmental Lab
    - Dosimetry Section
  - 1994-97 Supervisor for Dosimetry and Radiochemistry
  - 1997-07 Supervisor for Dosimetry, Radiochemistry, and Fuels
  - 2007- Supervisor - Nuclear, Dosimetry and Radiochemistry
- NIST-Assessor for Dosimetry (NVLAP)
  - 1991-current
- International Delegation of Health Physicists to Russia and Ukraine, National Council of Radiation Protection, 1992
- Health Physics Society, National and Atlanta Chapters

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**Bio**

**Full Name:** Primm III, Roy Trenton

**Alumni or Faculty:** alumni

**Years @ GIT NE:** 1976-1977

**GIT NE Degree(s)/Year(s):** MA 1977

**Current/Most Recent Position:** Managing Partner, Primm Consulting, LLC

---

**Biographical Highlights:**

Following graduation from Georgia Tech, I joined Oak Ridge National Laboratory. I worked there for 33 years until retiring in 2011. Areas in which I worked were nuclear non-proliferation, nuclear fuel reprocessing, research reactor design and operation, and mixed oxide fuel use in light water reactors. Upon retirement from ORNL, I founded a consulting company. Additional professional biographic information can be found at www.primmconsultingllc.com.

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Biographical Highlights:

After graduating from Tech in Sept. 1978 and being commissioned a Navy Ensign in the Supply Corps (there's a method to this madness, which will become apparent shortly), I went to Athens, Georgia to attend Supply Corps School, followed by Submarine School at Groton, CT. I reported as Supply Officer of USS Snook (SSN-592) in July 1979. Having qualified in submarines, in 1982 I transferred to the Engineering Duty designation and to the Supervisor of Shipbuilding, Groton, where I helped administer contracts with the Electric Boat Division of General Dynamics to build and repair a variety of nuclear submarines. Towards the end of my 6 years there I was involved in a pilot program to apply contracts and contract administration to overhaul work at Portsmouth Naval Shipyard in Maine.

I left the Navy after 10 years and returned home to Palo Alto and got a Master's in Industrial Engineering from Stanford, then landed in the integrated circuit business at a now-defunct company named International Microelectronic Products®. I worked there for about 10 years in a variety of engineering and management positions. While at Stanford I met and married Vicki Gary; she went to work for Cisco Systems when they were still a startup. We have two daughters, Ellie and AJ (Arran Jura). Thanks to Cisco's phenomenal growth in the 1990s we were both able to retire in 1998 and focus on raising our daughters.

Since then I've gotten more serious about genealogy research and contributing to open-source programming projects (Gnucash, Gtk, and Gramps). In 2001 I started Noise Level Zero Inc to carry on the community taking refuge from the closing of BIX the old Byte Magazine bulletin board. I've also gotten involved with the local chapter of Habitat for Humanity where I volunteer most Wednesdays helping with construction. I've lately added performing in color guards with Post 1921 of the Scottish American Military Society a few days a year. I've been practicing the bagpipes again (I played in the Atlanta Pipe Band while I was at Tech).

Ellie and AJ are mostly grown up now: Ellie is a junior at Mills College in Oakland majoring in History. AJ is starting a certification course in Welding at Laney College also in Oakland.

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**BIOGRAPHY FOR NE 50TH ANNIVERSARY HISTORY**

<table>
<thead>
<tr>
<th>Full Name:</th>
<th>Ramsey, Clay H.</th>
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<tbody>
<tr>
<td>Alumni or Faculty:</td>
<td>alumni</td>
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<td>Years @ GIT NE:</td>
<td>1975 - 1979</td>
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<td>GIT NE Degree(s)/Year(s):</td>
<td>BNE Class of 1979</td>
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<tr>
<td>Current/Most Recent Position:</td>
<td>U.S Dept of Energy Project Director</td>
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**Biographical Highlights:**

For the last 6 years I have served as the Project Director responsible for design and construction of the U.S. Department of Energy's $4.8 billion Mixed Oxide Fuel Fabrication Facility Project under construction at the Savannah River Site. Prior to that, I served as project director or project engineer on a number of complex nuclear projects for the U.S. Department of Energy and the U.S. Department of the Navy.

Married with 2 children. A resident of Aiken, South Carolina

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### BIOGRAPHY FOR NE 50TH ANNIVERSARY HISTORY

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<th>Riggs, Kevin R.</th>
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<td>faculty</td>
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<td>Years @ GiT NE:</td>
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<td>BSNRE 2006</td>
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<tr>
<td>Current/Most Recent Position:</td>
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**Biographical Highlights:**

- 2006-2010 - Medical Student, Duke University School of Medicine
- 2010-current - Resident, Department of Medicine, Duke University School of Medicine

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**BIOGRAPHY FOR NE 50TH ANNIVERSARY HISTORY**

<table>
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<tr>
<th>Full Name:</th>
<th>Rives, Frank</th>
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<td>alumni</td>
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<td>Years @ GIT NE:</td>
<td>1973-1976</td>
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<tr>
<td>GIT NE Degree(s)/Year(s):</td>
<td>BSNE 1975 and MSNE 1976</td>
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<tr>
<td>Current/Most Recent Position:</td>
<td>Director, Nuclear Fuels</td>
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**Biographical Highlights:**

Frank Rives is the Director of Nuclear Fuels for Entergy Services, Inc. He is responsible for the overall direction of the nuclear fuel procurement program for Entergy’s eleven nuclear power plants, and has about thirty-five years experience in the nuclear fuels markets. Mr. Rives has Bachelor of Science and Master of Science degrees in Nuclear Engineering from Georgia Tech and a Master of Business Administration degree from the University of New Orleans and is a registered Professional Engineer. He is a member of the National Society of Professional Engineers and the American Nuclear Society and is a former Chairman of the Louisiana Nuclear Society.

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BIOGRAPHY FOR NE 50TH ANNIVERSARY HISTORY

<table>
<thead>
<tr>
<th>Full Name:</th>
<th>Roberts, Carlyle J</th>
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<td>faculty</td>
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<tr>
<td>Years @ GIT NE:</td>
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<td>GIT NE Degree(s)/Year(s):</td>
<td>NA</td>
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<tr>
<td>Current/Most Recent Position:</td>
<td>health physics consultant</td>
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Biographical Highlights:

1999-2003: Health Physics Director, GeoSyntec Consultants
   Radiological and environmental support for a TENORM contaminated site in Malaysia.
1993-1999: Principal, Dames & Moore Governmental Services
   Directed radioactive waste management projects overseas; supported on-going Project completion and site closure at WVDP.
1983-1993: Manager, Safety and Environmental Assessment, West Valley Demonstration Project
   Supervised Dames & Moore activities including environmental protection, mixed waste management, radiological assessment, and D&D.
1976-1983: Associate Director, Environmental Impact Studies Division, Argonne National Laboratory
   Responsible for waste management and nuclear projects including: site remediation, spent fuel storage, uranium milling, and reactor safety analyses. Directed field measurement programs to characterize radioactive releases from U mines and mills. Managed all NEPA activities for the DOE-Oak Ridge FUSRAP efforts.
1973-1976: Professor of Nuclear Engineering and Director, Radiation Health Training Project
   Guided thesis research in radiological science; taught courses in environmental surveillance, instrumentation and health physics.
1971-1973: Chief of Training Section, International Atomic Energy Agency, Vienna, Austria (on leave from GIT)
   Organized the Agency’s educational activities for developing nations.
1965-1971: Director, School of Nuclear Engineering and Chief, Nuclear Sciences Division, Engineering Experiment Station
   Assumed responsibility for the academic NE program following the departure of Dr. W. B. Harrison.
1963-1965: Professor of Nuclear Engineering and Head, Neely Nuclear Research Center, GIT
   Managed operation and R/D activities at the reactor center, contributed to academic nuclear engineering and health physics programs.
1958-1963: Associate Director, Research Reactor Project, Georgia Institute of Technology
   Responsibilities included functional design of hot laboratories and waste systems for the Neely Nuclear Research Center, organization and supervision of technical staff for licensing/safety analysis and start-up of the Georgia Tech Research Reactor. Licensed as a Senior Operator (SOP-688) for the GTRR.
1954-1958: Chief, Research Reactor Division, Curtiss-Wright Nuclear Power Department
   Responsible for conceptual design of hot labs and support facilities, licensing of a pool reactor, development of operating staff and procedures at CW's Quehanna, PA site.

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**BIOGRAPHY FOR NE 50TH ANNIVERSARY HISTORY**

**Full Name:** Robin Jr., Theodore Tydings

**Alumni or Faculty:** alumni

**Years @ GIT NE:** 1963 to 1966

**GIT NE Degree(s)/Year(s):** MSNE / 1963; PhD NE / 1967

**Current/Most Recent Position:** Consulting: Theragenics and Preferred Licensing Services, Inc

**Biographical Highlights:**

<table>
<thead>
<tr>
<th>Theodore Tydings Robin, Jr.</th>
<th>205-870-7268 office</th>
<th>706-268-1122 Alternate</th>
</tr>
</thead>
<tbody>
<tr>
<td>4524 Pine Mountain Rd.</td>
<td>Birmingham, AL 35213</td>
<td><a href="mailto:robinty@mindspring.com">robinty@mindspring.com</a></td>
</tr>
</tbody>
</table>

**Education:**

- BME, GA Tech, 1961
- MSNE, Nuclear Engineering, GA Tech, 1963
- PhD, Nuclear Engineering, GA Tech, 1967
- Minors: Mathematics, Mechanical Engineering
- Language: German
- LL.B., Blackstone School of Law, 1979
- Southeastern Electric Utility Exchange - Utility Management, 1982
- Southern Company College - Student of the Business, 1992-93

**Professional Registration and Bar Membership:**

- Registered PE Mechanical, California, 1972, #15074
- Registered PE, Alabama, 1974, #10389
- State Bar of California, 1980, #94678

**Experience:**

1. Oak Ridge National Laboratory - Research Engineer, 1966-67, Oak Ridge, TN
2. Emory University, School of Medicine, 1968-69: Atlanta, GA, Department of Radiology, Assistant Professor of Radiology (Radiation Physics) Clinical.
   - Therapy calibration
   - Treatment planning
   - Intracavitary brachytherapy
   - Micro-Dosimetry studies
   - Provided systems studies, Fluid and thermal transients for control system analysis and for reactor scram/trip system.
   - System reliability / fault tree analysis to improve safety and system operation.
   - Developed models and calculated water / steam primary loop and secondary loop blow-down transients for containment and sub-compartment structural analysis.
   - Developed models for on site and off site radioactivity releases for normal operations and accidents.
   - Managed input to licensing SAR documents and Environmental Report to NRC.
   - Experience in Reliability Engineering.
5. Rotary International, District Governor, N AL, 1994-95
7. Theragenics Corporation - 1996 - 2002; Atlanta, GA
   - Director of Nuclear Standards; Radiation Safety Officer;
   - Interfaced with NIST for primary calibration of Model 200 TheraSeed (Pd-103)
   - A PLS (Preferred Licensing Services) B Theragenics

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BIOGRAPHY FOR NE 50TH ANNIVERSARY HISTORY

Full Name: Robinson, Keri
Alumni or Faculty: alumni
Years @ GIT NE: 1983-1986
GIT NE Degree(s)/Year(s): BNE/1986
Current/Most Recent Position: Manager Noblis Radiological & Nuclear Programs

Biographical Highlights:

Mr. Keri Robinson has over 35 years of experience, spanning a broad range of science, engineering and intelligence activities serving a variety of capacities. He served in the USAF for 20 years as a nuclear research officer and numerous positions in the intelligence community, much of that time assigned to the Air Force Technical Applications Command and the Air Intelligence Agency. Mr. Robinson is currently managing Noblis’ Radiological and Nuclear Portfolio supporting numerous federal clients. Before that Mr. Robinson worked for the Department of Energy’s Pacific Northwest National Laboratory, as a member of their Field Intelligence Element.

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<th>Full Name:</th>
<th>Rocha, R James</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alumni or Faculty:</td>
<td>alumni</td>
</tr>
<tr>
<td>Years @ GIT NE:</td>
<td>1980-1983</td>
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<tr>
<td>GIT NE Degree(s)/Year(s):</td>
<td>1982 BNE; 1983 MSNE</td>
</tr>
<tr>
<td>Current/Most Recent Position:</td>
<td>Director - Generation Planning</td>
</tr>
</tbody>
</table>

**Biographical Highlights:**

- Nuclear Fuel engineer 1984-1992
- registered PE in Florida (nuclear engineering)
- MBA
- utility representative on Westinghouse NexStart SMR Alliance

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BIOGRAPHY FOR NE 50TH ANNIVERSARY HISTORY

<table>
<thead>
<tr>
<th>Full Name:</th>
<th>Rust, James H.</th>
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<tbody>
<tr>
<td>Alumni or Faculty:</td>
<td>faculty</td>
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<tr>
<td>Years @ GIT NE:</td>
<td>1967-81</td>
</tr>
<tr>
<td>GIT NE Degree(s)/Year(s):</td>
<td></td>
</tr>
<tr>
<td>Current/Most Recent Position:</td>
<td>Policy Adviser The Heartland Institute</td>
</tr>
</tbody>
</table>

Biographical Highlights:

James H. Rust, policy adviser for The Heartland Institute, is a retired professor of nuclear engineering and outspoken critic of unnecessary alarmism over man-made global warming. He has a B.Sc. Chemical Eng. Purdue U.; Masters Nuclear Eng. M.I.T.; Ph.D. Eng. Purdue U. He is currently delivering a talk titled America’s Failed Energy Policies and The Reason Why. Rust was an assistant professor of engineering at The University of Virginia and associate professor and professor of nuclear engineering at the Georgia Institute of Technology. He was the owner of two Atlanta businesses Energy Consulting Engineering and Haralson Publishing Company. He was a Registered Professional Engineer in Georgia (GA8908). He is listed in Who's Who in Southeastern United States American Men and Women of Science Rust is a former member of the Georgia Society of Professional Engineers(GSPE) and former secretary vice-president and president of GSPE Atlanta Chapter (400 members). He has received numerous awards He edited Nuclear Power Safety with Lynn Weaver (Pergamon Press 1976) contributed to Elements of Nuclear Reactor Design (Elsevier Scientific Company) He has endowed scholarships of $6500, $6,000 and $2500 for students studying engineering."

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# BIOGRAPHY FOR NE 50TH ANNIVERSARY HISTORY

<table>
<thead>
<tr>
<th>Full Name</th>
<th>Sandifer, Brett</th>
</tr>
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<tbody>
<tr>
<td>Alumni or Faculty</td>
<td>alumni</td>
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<tr>
<td>Years @ GIT NE</td>
<td>1990-1994</td>
</tr>
<tr>
<td>GIT NE Degree(s)/Year(s)</td>
<td>BNE 1994</td>
</tr>
<tr>
<td>Current/Most Recent Position</td>
<td>Physician with Georgia Lung Associates</td>
</tr>
</tbody>
</table>

**Biographical Highlights:**

After Tech I attended medical school at the University of South Florida, Internal Medicine Residency at University of Alabama-Birmingham then Pulmonary and Critical Care Fellowship at Emory University. I now practice pulmonary and critical care medicine with Georgia Lung Associates.

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# BIOGRAPHY FOR NE 50TH ANNIVERSARY HISTORY

<table>
<thead>
<tr>
<th>Full Name:</th>
<th>SCHNEIDER, ALFRED</th>
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<td>Alumni or Faculty:</td>
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<tr>
<td>Years @ GIT NE:</td>
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<td>GIT NE Degree(s)/Year(s):</td>
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<td>Current/Most Recent Position:</td>
<td>Professor Emeritus of NE</td>
</tr>
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**Biographical Highlights:**

Received the B.Ch.E. from Cooper Union, New York in 1951 and the Ph.D. in Ch.Eng. from Polytechnic Institute of NYU in 1958. Worked in the plastics industry (Celanese Corp.), nuclear research (Argonne National Laboratory and Martin Marietta Co.) and nuclear fuel industry (Allied Chemical and AGNS). Was a Professor of NE at Georgia Tech and MIT, served as an advisor to the NYS Energy Research and Development Authority and the Secretary of Energy and as a consultant to Westinghouse, Allied Chemical, DoE, Attorney General of GA, ORNL and others. Was a member of six committees of the National Academy of Sciences and an official U.S. participant at six symposia of the IAEA. Received the Antarctica Medal from the U.S. Navy, the Robert E. Wilson Award from AIChE, and the Gano Dunn award from Cooper Union.

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Full Name: Shannon, Daniel J.

Alumni or Faculty: alumni

Years @ GiT NE: 1992-1996 (video)

GIT NE Degree(s)/Year(s): MS Health Physics/1996

Current/Most Recent Position: Supervisor - HP Operations

Biographical Highlights:

BS Biology 1983 University of Notre Dame
US Navy Nuclear Officer 1983-1989
HP Instructor Kewaunee Nuclear Plant 1989-1998
Radiological Engineer/Supervisor Point Beach Nuclear Plant - 1998-2005
Supervisor - HP Operations 2005- present
NRRPT certification 1996 - present
ABHP Certified Health Physicist - 2000 - present
Advisor Board member, adjunct instructor, and past chairman - Lakeshore Technical College HP Technician and Nuclear Technology degree program -1992 - present
Educational Leadership Award - LTC - 2012
Wisconsin Technical Education Champion - 2012

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**BIOGRAPHY FOR NE 50TH ANNIVERSARY HISTORY**

<table>
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<tr>
<th>Full Name:</th>
<th>Shepherd, Michael David</th>
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<td>Alumni or Faculty:</td>
<td>alumni</td>
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<td>Years @ GiT NE:</td>
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<td>GIT NE Degree(s)/Year(s):</td>
<td>MSHP/1982</td>
</tr>
<tr>
<td>Current/Most Recent Position:</td>
<td>Vice President</td>
</tr>
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</table>

Biographical Highlights:

Have spent 30 great years in the Nuclear Industry! From knowledge gained at Georgia Tech, I have become an expert in Health Physics instrumentation. Consulting with equipment users in Nuclear Power, DOE, State Agencies, and Industry, I have made recommendations as to the best instruments to meet their wide range of applications.

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Full Name: Simpson Jr., Paul D.

Alumni or Faculty: alumni

Years @ GIT NE: 1976-1980

GIT NE Degree(s)/Year(s): MS (Health/Medical Physics), 1977, Completed PhD course work

Current/Most Recent Position: Team Leader, Radiation Safety Team

Biographical Highlights:

Paul D. Simpson, Team Leader of the Radiation Safety Team, Radiation Safety Officer (RSO), Office of Safety, Health and Environment (OSHE), Office of the Chief Operating Officer (OCOO), Centers for Disease Control and Prevention (CDC); Headquarters, Atlanta, GA;
Serves as the primary health physics advisor to the Director, OSHE on all radiation safety topics and events;

Responsible on a daily basis for the implementation of the CDC Radiation Safety Program in the Atlanta area with the mission to ensure the health and safety of radiation workers, CDC employees and the environment against the hazards associated with radiation; works under two United States Nuclear Regulatory Commission (NRC) Materials Licenses;

Important program components include: Incoming radiation package surveillance, radiation monitoring, Inventory of radioactive materials, radiation laboratory compliance inspections, radioactive waste disposal, radiation meter calibrations, radiation safety training, and gammacell irradiations; Promotes prevention programs designed to eliminate or reduce employee radiation exposures; in addition, provides oversight, service, and leadership to the radiation safety programs at other CDC facilities in Morgantown, WV, Cincinnati, OH and Pittsburg, PA;

The RSO ensures compliance of the CDC Radiation Safety Program with all federal and other regulations and serves as the CDC representative at all internal/external regulatory inspections.

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**BIOGRAPHY FOR NE 50TH ANNIVERSARY HISTORY**

**Full Name:** Smith, Steven D

**Alumni or Faculty:** alumni

**Years @ GiT NE:** 1983-1986

**GIT NE Degree(s)/Year(s):** BNE 1986

**Current/Most Recent Position:** VP & CTO - Advantage Industrial Automation

**Biographical Highlights:**

- Consulting Engineer ABB Impell 1986-1991
  - Environmental Qualification (EQ) for Equipment, Appendix R Fire Protection, Safe Shutdown Analysis, RG 1.97 Services, Design Basis Services for Commercial and non-commercial reactors

- Consulting Engineer Grove Engineering 1991-1995
  - Design Basis Reconstitution, Safe Shutdown and Plant Life extension Services for Commercial and non-commercial reactors

- VP & CTO, Software Products Manager SE USA
  - Advantage Industrial Automation 1996-Present
  - SE USA Software Products Manager for GE-IP Proficy" Software solutions sold to manufacturing and Utilities"

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**BIOGRAPHY FOR NE 50TH ANNIVERSARY HISTORY**

<table>
<thead>
<tr>
<th>Full Name:</th>
<th>Stacey, Weston (Bill) M.</th>
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<tbody>
<tr>
<td>Alumni or Faculty:</td>
<td>faculty</td>
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<tr>
<td>Years @ GIT NE:</td>
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<tr>
<td>GIT NE Degree(s)/Year(s):</td>
<td>MSNucl.Sci/1962</td>
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<tr>
<td>Current/Most Recent Position:</td>
<td>Callaway Regents' Prof. NE, Georgia Tech</td>
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</table>

**Biographical Highlights:**

After graduating from Georgia Tech with a BSPhys in 1959 and a MSNucl. Sci. in 1962 (and 2 years in the Marine Corps), I spent 7 years designing naval reactors at KAPL, with 2 years off to earn a PhD in NE at MIT. Then I was at ANL 1969-77, where I led a reactor theory group, was Assc. Dir. of the Applied Physics Div. and was the organizing Dir. of the Fusion Power Prog. In 1977, I came to Georgia Tech as the Callaway Prof. of NE, where I have taught and done research in reactor physics, plasma physics, nuclear design and the interpretation of fusion plasma experiments. This work has resulted in the publication of about 300 research papers and ten books on reactor physics, fusion plasma physics and fusion reactor conceptual design and has been recognized by Fellowship in ANS and APS, the ANS Wigner Reactor Physicist Award and Seaborg Medal, the DoE Distinguished Associate Award, etc.

My most substantial professional accomplishment was leading the development of the conceptual design for a fusion experimental power reactor (EPR). In the 1970s, I organized and led the ANL EPR design, one of the first designs for a tokamak EPR. As a result, I was asked by DoE soon after coming to Georgia Tech to organize and lead the USA participation in what became the IAEA INTOR Workshop, a collaboration involving hundreds of fusion physicists and engineers from the USA, USSR, EU and Japan in the assessment of the readiness of the tokamak to advance to the EPR stage, the definition of the additional R&D needed, the definition of a design concept by a conceptual design, and the identification and analysis of the critical technical issues. I led the INTOR Workshop as vice-chairman from 1978-88 and wrote its history (The Quest for a Fusion Energy Reactor, Oxford Univ. Press, 2010). The INTOR work led, through the suggestion of General Secretary Gorbachev to President Reagan at the 1985 Geneva Summit, to the formation of the ITER project in 1988 to build the first fusion EPR. The $20B ITER tokamak is now under construction in France by an international team (EC, Japan, USA, Russia, China, South Korea, India) to operate in the 2020s. Detailed biographical information is available in the memoir From Midway Church to Nuclear Fusion, 2010 (amazon.com).

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BIOGRAPHY FOR NE 50TH ANNIVERSARY HISTORY

Full Name: Szendy, Sandra

Alumni or Faculty:

Years @ Git NE: HP 4 years

GIT NE Degree(s)/Year(s): BS 1988, MS 1989

Current/Most Recent Position: Health Physicist at Duke University Medical Center

Biographical Highlights:

1989 - 1990 Health Physicist at Portsmouth Gaseous Diffusion Plant working with their DOELAP and Harshaw equipment
1995 - 2012 Nuclear Medicine Technologist (CNMT) with ICANL achievements
1997 - 2005 Health Physicist with State of Tennessee RAM Inspections - mostly East TN inspections and assisting with IMPEP renewal
2000 - 2002 Junior Clinical Medical Physicist

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**BIOGRAPHY FOR NE 50TH ANNIVERSARY HISTORY**

<table>
<thead>
<tr>
<th>Full Name:</th>
<th>Tahler, James W.</th>
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<tbody>
<tr>
<td>Alumni or Faculty:</td>
<td>alumni</td>
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<tr>
<td>Years @ GIT NE:</td>
<td>1972-1976</td>
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<tr>
<td>GIT NE Degree(s)/Year(s):</td>
<td>BNE/76</td>
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<tr>
<td>Current/Most Recent Position:</td>
<td>senior engineer at Rolls-Royce</td>
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</table>

**Biographical Highlights:**

6 years active duty in the Navy on nuclear submarines. Retired from Naval Reserve as Commander. After active duty, spent 30 years in the commercial nuclear power arena mostly on plant process computers and nuclear applications for the plant.

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**BIOGRAPHY FOR NE 50TH ANNIVERSARY HISTORY**

<table>
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<tr>
<th>Full Name:</th>
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<td>Years @ GIT NE:</td>
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<td>GIT NE Degree(s)/Year(s):</td>
<td>MSNE/1972</td>
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<td>Current/Most Recent Position:</td>
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**Biographical Highlights:**

- 1972-1978 Combustion Engineering (Initial start-up of Calvert Cliffs Unit 1, St. Lucie Unit 1 and Calvert Cliffs Unit 2)
- 1978-1981 Nuclear Energy Services
- 1981-2005 Seabrook Nuclear Power Plant
- 2005-present Institute of Nuclear Power Operations (INPO)

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# BIOGRAPHY FOR NE 50TH ANNIVERSARY HISTORY

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<tr>
<th>Full Name:</th>
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<td>Years @ GiT NE:</td>
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<td>GIT NE Degree(s)/Year(s):</td>
<td>MSHP/1997</td>
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<tr>
<td>Current/Most Recent Position:</td>
<td>Health Physicist</td>
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**Biographical Highlights:**

Drew is a former nuclear engineer, board certified health physicist and public health professional with over 25 years experience in the evaluation of both ionizing and non ionizing radiation exposures. He holds a masters in health physics. Drew works for both the government as well as commercial interests.

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BIOGRAPHY FOR NE 50TH ANNIVERSARY HISTORY

Full Name: Thomas III, Dale D.
Alumni or Faculty: alumni
Years @ GIT NE: 1999 - 2003
GIT NE Degree(s)/Year(s): MS, Health Physics, 2003
Current/Most Recent Position: Senior Health Physicist, Dade Moeller & Associates

Biographical Highlights:
- Certified by the American Board of Health Physics, 2008
- Lieutenant Colonel, Medical Service, USA Retired
- Over twenty years in the broad practice of health physics and radiological engineering.
- Specialized experience in internal dosimetry, combatting weapons of mass destruction, and emergency response to radiation incidents or accidents.

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BIOGRAPHY FOR NE 50TH ANNIVERSARY HISTORY

Full Name: Thompson, Devon
Alumni or Faculty: alumni
Years @ GIT NE: 2005-2010
GIT NE Degree(s)/Year(s): BS
Current/Most Recent Position: SRO License Trainee - Plant Vogtle

Biographical Highlights:
- Reactor Engineer (Plant Vogtle, 2 years)
- SRO License Candidate and Trainee (Plant Vogtle, current)

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Mr. Thompson is a Vice President at Talisman International in Washington DC. Prior to retiring in 1998 from the US Nuclear Regulatory Commission, Mr. Thompson was the Deputy Executive Director for Regulatory Programs. In that position, he directed the licensing, inspection, and rule making activities for all NRC-licensed nuclear reactors, the oversight of Department of Energy’s (DOE) high-level radioactive waste program, the decontamination and decommissioning of contaminated sites, and the material licensees regulated by both the 29 Agreement States and the NRC. Mr. Thompson has also held the positions of Director of the Office of Nuclear Material Safety and Safeguards, Director of the Division of Licensing, and Director of the Division of Human Factors Safety for the Office of Nuclear Reactor Regulation. As Director of the Division of Human Factors Safety, he directed the NRC regulatory responses to the accident at the Three Mile Island Nuclear Power Reactor related to control room designs, qualification and testing of operators, emergency response procedures, and qualified engineers on the shifts crews.

Mr. Thompson has testified before congressional committees and the NRC Commission on issues such as safety issues at nuclear facilities, the NRC high-level nuclear waste program, the potential NRC oversight of DOE facilities, and the Y2K safety concerns.

Mr. Thompson received the NRC Distinguished Service Award, Meritorious Executive Awards from Presidents Regan and Clinton and the Distinguished Executive Award from President George Bush.

Prior to joining the NRC, he served on the nuclear submarine USS Jack SSN 605 and work with Alabama Power Company on the Farley Nuclear Plant licensing.

He is married to Sharon Cleary and together they have 5 children and 4 grandchildren. They live in Auburn Alabama and Potomac Maryland.

In addition to getting his Masters Degree in Nuclear Engineering from Georgia Tech, he received his BS from the US Naval Academy and his JD from George Washington University.
**BIOGRAPHY FOR NE 50TH ANNIVERSARY HISTORY**

<table>
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<th>Full Name:</th>
<th>Utschig, Tristan T.</th>
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<tr>
<td>Alumni or Faculty:</td>
<td>faculty</td>
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<tr>
<td>Years @ GIT NE:</td>
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<td>GIT NE Degree(s)/Year(s):</td>
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<tr>
<td>Current/Most Recent Position:</td>
<td>Assistant Director, Center for the Enhancement of Teaching and Learning, and Joint Appointment Faculty Nuclear and Radiological Engineering, Georgia Tech</td>
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**Biographical Highlights:**

Dr. Tristan Utschig is Assistant Director for the Scholarship and Assessment of Teaching and Learning in the Center for the Enhancement of Teaching and Learning (CETL) at the Georgia Institute of Technology. He consults with faculty about teaching and learning in their classrooms, about grant proposals with education components, and in assessing educational innovations. He also teaches a number of courses in mechanical and nuclear engineering.

Formerly, Dr. Utschig was a tenured Associate Professor of Engineering Physics at Lewis-Clark State College in Idaho where he developed, directed, and taught courses for the pre-engineering program at the college.

Dr. Utschig completed his PhD in Nuclear Engineering at the University of Wisconsin Madison. His technical expertise involves the modeling and analysis of thermal systems for nuclear applications, particularly relating to safety aspects of fusion reactor designs. His graduate work involved the use of the MELCOR and TEXAS-5 codes, both of which have been extensively applied for fission reactor safety analyses. Dr. Utschig’s research with these codes consisted of developing and incorporating models into the codes such that they could be applied to accident scenarios in the ITER fusion reactor, and to explosive debris propagation in the X-1 z-pinch fusion design.

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**BIOGRAPHY FOR NE 50TH ANNIVERSARY HISTORY**

<table>
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<td>Years @ GIT NE:</td>
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<td>GIT NE Degree(s)/Year(s):</td>
<td>BNE/1985</td>
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<tr>
<td>Current/Most Recent Position:</td>
<td>Lead senior engineer</td>
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Biographical Highlights:

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## BIOGRAPHY FOR NE 50TH ANNIVERSARY HISTORY

<table>
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<tr>
<th><strong>Full Name:</strong></th>
<th>Wagner, Karen E. Long</th>
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<td><strong>Years @ Git NE:</strong></td>
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<tr>
<td><strong>GIT NE Degree(s)/Year(s):</strong></td>
<td>MSHP/1986</td>
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<tr>
<td><strong>Current/Most Recent Position:</strong></td>
<td>Director, Oncology Services, Medical Physicist, and Radiation Safety Officer, St. Joseph Medical Center, Reading, PA</td>
</tr>
</tbody>
</table>

### Biographical Highlights:

- Director, Oncology Services, St. Joseph Medical Center, Reading, PA 2000 - present
- Medical Physicist and Radiation Safety Officer, St. Joseph Medical Center, Reading, PA 1987 - present
- 1990: American Board of Radiology Certified Therapeutic Radiological Physicist
- Clinical Associate Professor, Nuclear Medicine, Cedar Crest College, Allentown, PA 1990 - 2003
- Trustee, Cedar Crest College, Allentown, PA 2004-2014

Husband: Michael
Daughter: Christiana

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**Full Name:** Waldrep, Benjamin Claude  
**Alumni or Faculty:** alumni  
**Years @ GiT NE:** 1983 to 1988  
**GIT NE Degree(s)/Year(s):** BNE (coop plan) 1988  
**Current/Most Recent Position:** Duke Energy VP Nuclear Corporate

### Biographical Highlights:

Worked a series of positions in the nuclear industry starting in design engineering working up through maintenance. Served as plant manager for the Progress Energy Harris and Brunswick Nuclear stations as well as Site Vice President at Brunswick. Received a senior reactor operator certification in 1997 and an MBA from the University of Phoenix in 2006. Current serve as the VP Nuclear Corporate for Duke Energy's nuclear fleet in charge of corporate engineering, nuclear fuel engineering and purchase, radiological laboratories and testing facilities, traveling maintenance crews, regulatory affairs, quality control, the central training facility and other corporate fleet programs.

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# BIOGRAPHY FOR NE 50TH ANNIVERSARY HISTORY

**Full Name:** Walker, Jessica Merrill

**Alumni or Faculty:** alumni

**Years @ GIT NE:** 4

**GIT NE Degree(s)/Year(s):** BNE/1997

**Current/Most Recent Position:** Fire Protection Engineer

**Biographical Highlights:**

- Nuclear Engineer - Arkansas Nuclear One
- PRA Engineer - Arkansas Nuclear One
- Reactor Engineer - Arkansas Nuclear One
- NFPA 805 Fire Protection Lead - Arkansas Nuclear One
- Fire Protection Engineer - Kleisorg Group Risk Services

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Biographical Highlights:

Dr. Weaver has thirty-five years of academic and administrative experience, having served on the faculty of five major universities, i.e., Purdue University, University of Arizona, University of Oklahoma, Georgia Institute of Technology, and Auburn University. He has held every academic rank and currently is President Emeritus and Professor of Electrical Engineering, Florida Institute of Technology.

Dr. Weaver has served in academic administration for the past twenty-five years in the positions of Department Head, Nuclear Engineering, University of Arizona; Associate Dean of Engineering, University of Oklahoma; School Director, Nuclear Engineering and Health Physics, Georgia Institute of Technology; Dean and Distinguished Professor of Engineering, Auburn University; President, Florida Institute of Technology.

He has been active in research, receiving major funding from industry and government; is the author of two textbooks; the editor or co-editor of five technical books and has over fifty publications in professional journals and is Executive Editor of the technical journal, Annals of Nuclear Energy.

He received the University of Missouri Honor Award for Distinguished Service in Engineering. Dr. Weaver is a Fellow of the American Nuclear Society.

Dr. Weaver has served on advisory committees to government and industry and, on several occasions, given expert testimony to U.S. congressional committees. Two of his speeches on energy were selected for reprint in Vital Speeches of the Day and read into the Congressional Record. He has been a consultant to a number of academic and industrial organizations, legal firms, and has consulted with the Organization of American States in education and research development in Latin America. He has served on state commissions and the Board of Directors of Oak Ridge Associated Universities, the National Center for Asphalt Technology, several civic organizations, the Board of Directors of DBA Systems, Inc., and the Board of the Florida Distance Learning Network.

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BIOGRAPHY FOR NE 50TH ANNIVERSARY HISTORY

Full Name: Wells, Peter H.

Alumni or Faculty: alumni

Years @ GIT NE: 1974-1978

GIT NE Degree(s)/Year(s): BNE '78

Current/Most Recent Position: Vice President, NextEra Energy Nuclear Fleet

Biographical Highlights:

Pete Wells is a Vice President for the NextEra Energy Nuclear Fleet; prior to this position he was Site Vice President, Duane Arnold Energy Center, responsible for all site activities on the nuclear generating station, obtaining the INPO Award of Excellence during his tenure.

Since he came to FPL in May 2007, Pete has also served as Vice President Organizational Support, EPU Implementation Owner for Pt Beach, VP of Safety Assurance and Director, Licensing and Performance Improvement.

Pete began his career with Southern Company in 1984 as an operations shift supervisor at Plant Hatch. He had various roles in the nuclear headquarters, and then progressed through positions of increasing responsibility back at Plant Hatch, including Operations Manager, Assistant General Manager and Plant General Manager, the senior on-site line executive, achieving two Awards of Excellence from INPO during his tenure as PGM. Pete went to INPO as a loaned executive where he was an evaluation team manager and the Operational Focus Manager. He retired from Southern Nuclear as the Fleet Support General Manager in Birmingham.

A graduate of the Georgia Institute of Technology, Pete received a bachelor’s degree in nuclear engineering. He entered the Navy where he served for six years as a nuclear engineer. He retired from the Naval Reserves as a commander in 2001. Pete is a Registered Professional Engineer in Georgia and Alabama.

He has served on the board of directors of Meadows Memorial Hospital, Darby Bank and Trust and the Toombs County United Way. He has been a team captain for the ACS Relay for Life little league coach, Cub Scout Den Leader, Boy Scout leader, Sunday school teacher and Elder at the Vidalia Presbyterian Church.

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BIOGRAPHY FOR NE 50TH ANNIVERSARY HISTORY

<table>
<thead>
<tr>
<th>Full Name:</th>
<th>Whitehouse, John</th>
</tr>
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<tbody>
<tr>
<td>Alumni or Faculty:</td>
<td>alumni</td>
</tr>
<tr>
<td>Years @ GIT NE:</td>
<td>1967-1971</td>
</tr>
<tr>
<td>GIT NE Degree(s)/Year(s):</td>
<td>1971</td>
</tr>
<tr>
<td>Current/Most Recent Position:</td>
<td>Manager at the Savannah River Site</td>
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Biographical Highlights:

- 1971-1976 Earned PhD in Nuclear Engineering at the University of New South Wales (Sydney Australia)
- 1976-1987 Combustion Engineering, various positions in R&D and Nuclear Field Service
- 1987-2005 Savannah River Site, various positions in the Savannah River Nation Laboratory including Fellow Engineer and Manager of Site & New Missions Support Group.
- 2005-present, (retired) adjunct professor of math and science at Mars Hill College in wester North Carolina.

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**BIOGRAPHY FOR NE 50TH ANNIVERSARY HISTORY**

<table>
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<tr>
<th><strong>Full Name:</strong></th>
<th>Will, Karl A.</th>
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<td><strong>Alumni or Faculty:</strong></td>
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<td><strong>Years @ GIT NE:</strong></td>
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<td><strong>GIT NE Degree(s)/Year(s):</strong></td>
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<td><strong>Current/Most Recent Position:</strong></td>
<td>Manager/Parche Capital Management</td>
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**Biographical Highlights:**

**Educational Highlights:**

- GA Tech - BNE, 1980
- Stanford University - MBA, 1990

**Professional Highlights:**

- CS First Boston, Mergers & Acquisitions (M&A), 1990-1995
- JPMorgan, Head of Technology/West Coast M&A - 2003-2009
- Retired - 2009-2012
- Parche Capital Mgmt (Hedge Fund, founder) - 2012-present

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BIOGRAPHY FOR NE 50TH ANNIVERSARY HISTORY

<table>
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<tr>
<th>Full Name:</th>
<th>Winer, Ward O.</th>
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<tr>
<td>Alumni or Faculty:</td>
<td>faculty</td>
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<tr>
<td>Years @ GIT NE:</td>
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<td>GIT NE Degree(s)/Year(s):</td>
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<tr>
<td>Current/Most Recent Position:</td>
<td>Eugene C. Gwaltney Jr. Chair Emeritus of the George W. Woodruff School of Mechanical Engineering, Georgia Institute of Technology</td>
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Biographical Highlights:

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**BIOGRAPHY FOR NE 50TH ANNIVERSARY HISTORY**

<table>
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<tr>
<th>Full Name:</th>
<th>Wittner, David E</th>
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<td>Alumni or Faculty:</td>
<td>alumni</td>
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<td>Years @ Git NE:</td>
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<td>GIT NE Degree(s)/Year(s):</td>
<td>BSNE</td>
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<td>Current/Most Recent Position:</td>
<td>Senior Systems Engineer, Siemens Molecular Imaging</td>
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**Biographical Highlights:**

- 14 years in nuclear power generation (TVA, Iowa Electric, Entergy)
- 18 years in medical isotope production (CTI, Siemens Molecular Imaging)
- Winner of 1999 Computerworld Smithsonian Award in the category of Science (CTI, Inc)

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BIOGRAPHY FOR NE 50TH ANNIVERSARY HISTORY

<table>
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<tr>
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<th>Wooten, Omar H.</th>
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<td>Years @ GIT NE:</td>
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<td>GIT NE Degree(s)/Year(s):</td>
<td>MSHP/2002, PhD/2005</td>
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<tr>
<td>Current/Most Recent Position:</td>
<td>Instructor, Dept. of Radiation Oncology, Washington University in St. Louis</td>
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Biographical Highlights:

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### BIOGRAPHY FOR NE 50TH ANNIVERSARY HISTORY

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<td>Years @ Git NE</td>
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<td>Git NE Degree(s)/Year(s)</td>
<td>1985</td>
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<tr>
<td>Current/Most Recent Position</td>
<td>Supervisory Engineer</td>
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**BIOGRAPHY FOR NE 50TH ANNIVERSARY HISTORY**

<table>
<thead>
<tr>
<th>Full Name:</th>
<th>Yong, Loong</th>
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<tr>
<td>Alumni or Faculty:</td>
<td>alumni</td>
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<tr>
<td>Years @ GIIT NE:</td>
<td>1984-1985</td>
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<tr>
<td>GIT NE Degree(s)/Year(s):</td>
<td></td>
</tr>
<tr>
<td>Current/Most Recent Position:</td>
<td>President - Spectra Tech, Inc.</td>
</tr>
</tbody>
</table>

**Biographical Highlights:**

Dr. Loong Yong is the President/Founder/Owner of Spectra Tech, Inc., a 300-person engineering and environmental services company headquartered in Oak Ridge, TN. Spectra Tech is ranked amongst the top 500 largest engineering and design firms in the U.S. by Engineering News-Record (ENR). Loong began his professional journey with a phone number and instructions by Dr. Geoffrey Eichholz to call on Georgia Tech alumni, Bob Hearn, for a job. Loong’s experience in working with Bob Hearn’s entrepreneurial company, Atlan-Tech, led him to form his own small business many years later.

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BILL ZIEGLER

Full Name: Ziegler, William R.

Alumni or Faculty: alumni

Years @ GIT NE: 1976-1977

GIT NE Degree(s)/Year(s): MSNE-1977

Current/Most Recent Position: Principal Consultant - WRZ Consulting, LLC

Biographical Highlights:

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