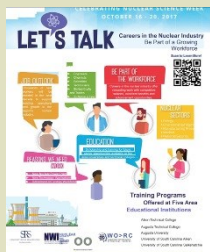




## A LOT HAS BEEN HAPPENING AT CNTA!



**Nuclear Science Week:** Nuclear Science Week was a resounding success in the CSRA. Mindy Mets and Kim Saxon from the SRS Community Reuse Organization did an exceptional job coordinating the many activities that occurred during the week. All though I may be biased, it was apparent that the CSRA efforts again led the nation in both quality and quantity of outreach!

CNTA was a very active participant during Nuclear Science Week (below you will see that our activities would better be classified under “Nuclear Science Month”!). Thanks to all the CNTA members and friends who supported our efforts – it is the volunteer efforts that make these things go.



**Academy for Lifelong Learning:** The month started with CNTA again supporting the Academy for Lifelong Learning Program at USCA with classes on

September 28, October 5 and October 12. About 30 attended the sessions and the reviews were overwhelmingly positive. Mel Buckner organized and the instructors were: Brad Swanson – Power Generation Fundamentals; Brittany Williamson – Nuclear Power: Energy for the Future; and Ken Stephens – Risk: Real and Perceived.



**S.E.E.D.:** The Science Enrichment Education Day (S.E.E.D.) held October 7 at the Ruth Patrick Science Education Center attracted a record of over 4500 attendees (students, parents and educators)! CNTA was a sponsor of the event. CNTA had an exhibit focused on applications of nuclear to energy, space exploration, health care and industry. A “prize wheel” was used to ask students questions and award candy for correct answers. This proved to be a big hit! Robert Wilson, Shannon Cavery, Ken Stephens and Jim Marra supported.

**Journey to the Center of the Atom:** CNTA members supported “Journey to the Center of the Atom” presentations to Middle School students at the Ruth Patrick Science Center for two weeks in October (due to popular demand, the event was expanded to 2 weeks sandwiching Nuclear Science Week this year). Gary Senn organized the event with significant CNTA support from Jon Guy and Alex Somers. Robert Wilson and Jim Marra also supported.



**CNTA Costume Ball:** The Young Professionals Committee hosted a Halloween Costume Ball on Friday, October 13, at the Aiken Center for the Arts. The event helped raise funds to offset membership fees for young professionals to join CNTA, and will be used for new education outreach initiatives. The event was a great

success and should be a must attend event for ALL CNTA members next year!



**STEM Career Connections Day:** The STEM Career Connections event for high school students was supported on October 19 at the Kroc Center. The presentation used for S.E.E.D. was used for this event. Essay and Video Contests were promoted, and due to demand, extra copies were needed! Robert Wilson, Shannon Cavery, Paul Ebel and Mel Buckner supported.



### **Aspiring Mid-Career Professionals (AMP) Recharge:**

CNTA exhibited information on nuclear technologies and CNTA

membership at the SRNS Aspiring Mid-Career Professionals (AMP) event at the USCA Etheridge Center on October 19. Susan Wood, Chuck Munns and Marissa Reigel supported.



**Edward Teller Lecture:** Nuclear Science Week would not be complete without the annual Teller Lecture. Dr. Jim Conca provided an enlightening presentation on future energy needs and the role of nuclear energy. Congratulations to all the award winners that were recognized. A

special “thank you” goes to Patti Swanson for all her hard work in organizing the event.



**Nuclear Blitz:** CNTA organized and conducted a “Nuclear Blitz” throughout Aiken County High School chemistry classes during Nuclear Science Week. Presentations were made to 62 chemistry classes reaching over 1500 students! Thanks to the more than 30 CNTA

members and friends who supported the teach-ins.



**Atoms in the Alley:** Finally, CNTA exhibited at the Atoms in the Alley event on October 21 to close out Nuclear Science Week. The presentation on nuclear applications in energy, space exploration, health care and industry and the prize wheel

were used. Thanks to Paul Cloessner, Sharon Marra and Brian Marra for supporting.

Wow – what a month! Jim





# BREAKFAST REVIEW

## UP & ATOM BREAKFAST July 26, 2017 “THE FUTURE IS NOW” Tom Foster, President/CEO SRR SRR Interns



Tom Foster



Carlo Gasparini



Tola Akinnubi



Project Vision—SRR Interns

## UP & ATOM BREAKFAST August 30, 2017 SRS ECONOMIC IMPACT STUDY Tom Stellman & Simon Medcalfe

Tom Stellman, founder and CEO of TIP Strategies, an economic and workforce strategy firm, and Simon Medcalfe, an Associate Professor of Finance and Cree Walker Chair in the Hull College of Business at Augusta University, presented the SRS Economic Impact Study. The study was sponsored by the SRS Community Reuse Organization.



Tom Stellman



Simon Medcalfe

## CNTA HOSTS INAUGURAL COSTUME BALL FUNDRAISER

Indiana Jones, Mario and Luigi and the Fairly Odd Parents were among the 120 members and guests gathered for the Citizens for Nuclear Technology Awareness (CNTA) Costume Ball on Friday, Oct. 13.

The event, which took place at Aiken Center for the Arts, was an opportunity to network, hit the dance floor and bring home bragging rights for best costume.

"I want to thank our Young Professionals Group for their outstanding dedication and efforts in coordinating this inaugural event," said Jim Marra, CNTA Executive Director. "I was impressed that everyone embraced the Halloween theme by dressing up in costume. I hope this continues to be a yearly tradition for CNTA because it allows everyone to socialize outside of work in a relaxed setting."

The event raised \$9,000 for CNTA through ticket sales and corporate sponsorships from CH<sub>2</sub>M, SN<sub>3</sub>, Honeywell, SRNS, Centerra, Atkins Global, USC Aiken, SRNL, SRR,

AECOM, Parsons, The Hearing Center, Edward Jones- Financial Advisor Jason Crane, and Charlie and Lyddie Hansen. In addition to providing free memberships to young professionals, the funds will be used for new education and outreach initiatives.

Citizens for Nuclear Technology Awareness serves to educate the public by providing objective information on the value of nuclear technology with respect to our health, economy, environment, and national security. Through inclusiveness and engagement, the CNTA organization and its volunteers create an influential and credible voice to provide the public with factual, objective information on nuclear subjects. CNTA also provides for leadership/mentoring opportunities for its members' personal and professional growth. For more information, visit <http://c-n-t-a.com/>.



CNTA members pose for a group photo before the event Front row, from left: Sunny Lunka, SRNS HB-Line Process Engineering, and Alex Somers, Tritium Process Engineering, SRNS. Back row, from left: Mandy Smith, Engineering Business/Training Manager, SRNS; Will Weyer, HB-Line Facility Support, SRNS; Trey Black, Solid Waste Engineering, SRNS; and Matt McCoy, Saltstone Engineering, SRR.



**Nuclear Science Week 2017**

October 15-20, 2017

**CNTA**  
Citizens for Nuclear  
Technology Awareness

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## FRED C. DAVISON DISTINGUISHED SCIENTIST

### 2017 Fred C. Davison Distinguished Scientist Award Recipient Dr. Jerry D. Allison

Dr. Allison is a Professor at the Department of Radiology at the Medical College of Georgia (MCG)/ Augusta University. He received his PhD in Nuclear Engineering from the University of Florida in 1978 and was a physicist in the Department of Radiology and Imaging at MCG for more than 36 years prior to his retirement. From 2004 to 2011, he was the Chief of Medical Physics. He also served as the Radiation Safety Officer for both MCG and the Augusta Veterans Administration Medical Center.

Under Dr. Allison's leadership as the chief of Medical Physics, he led the effort to install the first open Positron Emission Technology/CT Tomography (PET/CT) in the CSRA. He authored numerous publications and trained a generation of radiologic technologists, nuclear medicine technologists and radiology residents. After his retirement, he returned to MCG as a half-time employee as a result of his knowledge and experience. He made many contributions in his fields of expertise over the years to both the CSRA and the nation at large.

Dr. Allison received board certifications from the American Board of Health Physics, the American Board of Radiology and the American Board of Medical Physics. He's been active in numerous scientific and professional societies including the American Association of Physicists in Medicine, the American Board of Health Physics, the American Board of Radiology, the American College of Radiology and the Society of Nuclear Medicine and Molecular Imaging.

"At an age and point in his career where many would rest, Dr. Allison is still actively involved in his chosen field," according to Dr. George David of Augusta University. "He is a Renaissance man and a great example to the rest of us as an accomplished leader, researcher, administrator and educator."

Likewise, Dr. Hadyn T. Williams of Augusta University wrote that, "Dr. Jerry Allison has had outstanding achievements and continues to provide multiple accomplishments to nuclear technologies and significant benefit to our southeastern region of Georgia and South Carolina."

The Distinguished Scientist Award is presented annually to recognize regional scientists and engineers who've made exceptional lifetime scientific achievements. The award is given in honor of Dr. Fred C. Davison who was Chairman of CNTA's Board of Directors from 1994 until his death in 2004.

Davison was President of the University of Georgia for 19 years where he encouraged math and science education and managed the doubling of graduate enrollment. Davison was also President and Chief Executive Officer of the National Science Center Foundation, President of the Georgia-Carolina Boy Scouts Council, an elder of Reid Memorial Presbyterian Church, and an active Rotarian.



Dr. Jerry Allison



# ROBERT MAHER MEMORIAL SCHOLARSHIP

## 2017 Robert Maher Memorial Scholarship Recipient Ian DeMass

The scholarship is sponsored by AECOM-SRR, the liquid waste contractor for the U.S. Department of Energy at the Savannah River Site (SRS).

DeMass is a senior bioengineering student at Clemson University. CNTA Chairman Jim Marra said CNTA is proud to award this \$5,000 scholarship to such a deserving student.

“Ian’s academic achievements, experience in the nuclear field, and his drive sets him apart from the distinguished set of applications we received,” Marra said. “Ian is an outstanding example of the kind of young, energetic students we need to sustain the nuclear industry into the future.”

DeMass is pursuing a Bachelor of Science degree in Electrical Engineering and Bioengineering. After graduation, he plans to attend graduate school to study nuclear medicine and its role in medical imaging.

“It is my goal to make significant contributions to advancements in this area, allowing for hospitals and medical clinics to more accurately and more effectively diagnose diseases and detect cancers,” DeMass said.

DeMass interned at the Savannah River National Laboratory for two summers, where he conducted research on improving the power generation of betavoltaic batteries using tritium sources. This technology could be used to power medical devices, such as pacemakers.

He has also worked for Surgical Robotics Solutions, where he collaborated with a local surgeon to identify unaddressed surgical robotic needs with potential to advance the technology in the field.

DeMass is spending this summer working in the

MRI division of Mayo Clinic, where he is using these techniques to help identify malignant cancer tissue.

“The intersection of the nuclear field and bioengineering is a rapidly developing area of study,” he said. “Nuclear medicine has the potential to make a profoundly positive impact to health across the world and far into the future.”

Ultimately, he wants to have a career to help improve the lives of people, he said.

The Robert Maher Memorial Scholarship is a joint project of CNTA and AECOM-SRR. Maher, Vice President and General Manager for Strategic Mission Development at SRS, passed away in 2002 after a 48-year career at the Site. A visionary with a broad view of the Site’s potential, Maher helped shape SRS.

The annual scholarship was established in Maher’s memory to support students pursuing science and engineering degrees in preparation for careers in the nuclear field.

Ian DeMass



Ian DeMass  
&  
Tom Foster

# 2017 ANNUAL EDWARD TELLER LECTURE

## 26th Annual Edward Teller Lecture Guest Speaker Dr. James Conca

Dr. James Conca was the guest speaker at the 26th annual Edward Teller Lecture. Dr. Conca is a Science Contributor to Forbes on energy and nuclear issues, and has authored over a hundred journal articles, books, and chapters on a wide range of nuclear, waste, remediation and energy issues. Conca is the Senior Scientist at UFA Ventures, Inc. in the Tri-Cities, Washington, and a Trustee of the Herbert M. Parker Foundation. Prior to this, he was the Director of the Center for Laboratory Sciences at Columbia Basin College and Director of the WSCF labs at the Hanford Site.

Dr. Edward Teller, a native of Hungary, came to the United States, as many Jewish scientists did to escape the advancing armies of Nazi Germany. From the very earliest days of the Manhattan Project, he was a central figure in the design and production of nuclear weapons and the materials to make nuclear weapons. He taught theoretical physics at several universities and viewed that as his principal occupation. He is often referred to as the “father of the hydrogen bomb” and played a major role in convincing President Truman that the nation should develop that weapon since the Soviet Union was known to be doing so. He was presented the Presidential Medal of Freedom in July 2003 by President George W. Bush. Edward Teller died at his California home in September 2003, at age 95.

Edward Teller presented a public lecture in Augusta, GA in 1992 and gave permission to CNTA to name the organization’s annual lecture and banquet in his honor. The Annual Edward Teller Lecture/Banquet is CNTA’s largest community activity. The audience includes community leaders, elected officials and

nuclear professionals. Some high school and college students also attend courtesy of corporate and college donors.

Notable presenters have included authors, industry leaders, senators, congressmen, a pioneer in nuclear medicine, national laboratory directors and many others, all with an impressive list of accomplishments.



Plant Vogtle Visit:  
Mike Zustra, James Conca,  
Jim Marra, Don Bridges



Dr. James Conca speaking at the Edward Teller Banquet



# SPONSOR DISPLAYS AT EDWARD TELLER LECTURE

(not all sponsors who participated are represented below)





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**We are always in need of assistance with the following:**

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- ⇒ **Education Committee**
- ⇒ **Event Assistance**
- ⇒ **Mentoring**
- ⇒ **Speaker's Bureau**
- ⇒ **Workshops/Teach-Ins**

**Contact CNTA if interested:**

**[cnta@bellsouth.net](mailto:cnta@bellsouth.net)**

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<input type="checkbox"/> <b>BENEFACTOR—\$125.00</b>  <b>BEST VALUE!</b> Members receive one Teller Lecture banquet ticket w/reserved seating and one ticket to the private Speaker's Reception; invitations to all events, quarterly newsletters and FREE membership mixers.	<input type="checkbox"/> <b>PATRON —\$70.00</b>  Members receive invitations to all events, quarterly newsletters and FREE member's mixers.
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# UP & ATOM BREAKFAST

## “Filling the Pipeline: The Importance of Academic and Industry Partnerships”

**DATE:** Thursday, December 7, 2017

**TIME:** 7:30 a.m.

**LOCATION:** Newberry Hall  
117 Newberry Street SW, Aiken SC

**COST:** \$20 per person or \$160 for a table of 8

**RSVP:** [cnta@bellsouth.net](mailto:cnta@bellsouth.net) or (803) 649-3456

**RESERVATION DEADLINE:** Monday, December 4, 2017  
CASH or CHECK accepted at the door  
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**RESERVATIONS ARE REQUIRED**



Daren Timmons is Dean, College of Sciences and Engineering at USC Aiken. He works collaboratively with the Executive Vice Chancellor for Academic Affairs, other deans, and department chairs with personnel and program administration of the college, oversight of accreditation process of the college, management of college budget, and support of development office in building external partnerships and securing external funding. Degrees: B.S. Chemistry and Ph.D. Chemistry.



Hossein Haj-Hariri is Dean, College of Engineering and Computing at USC Columbia. He is an MIT-trained scientist who most recently served as professor and chair of the Department of Mechanical and Aerospace Engineering at the University of Virginia in Charlottesville, was appointed dean January 2016. Haj-Hariri spearheads efforts to build on the university's strength in critical research areas such as energy, cyber security, aerospace and materials.