

CELEBRATING NUCLEAR SCIENCE WEEK  
OCTOBER 16 - 20, 2017

# LET'S TALK

Careers in the Nuclear Industry  
Be Part of a Growing Workforce



Education Days  
Information



STEM Career  
Connections®



Site Visit Days



Annual Edward  
Teller Lecture &  
Banquet



Other Activities



Educator  
Activities  
Throughout the  
Year



Community  
Activities  
Throughout the  
Year



Local High-Tech  
Training  
Opportunities

## Come Explore Nuclear Science!

Nuclear Science Week is an international, broadly observed week-long celebration that focuses on all aspects of nuclear science. Events during this week will provide many learning opportunities about contributions, innovation and careers that can be found by exploring nuclear science. **#nuclearsciweek**

SRS Community Reuse Organization and its affiliated Nuclear Workforce Initiative are collaborating with local organizations to conduct activities designed to encourage and bring awareness of nuclear technology and the many careers available within nuclear technology and other high-tech industries.

Education  
DAYS



Wednesday, Thursday, Friday  
October 11, 12, 13, 2017

Monday, Tuesday, Wednesday, Thursday, Friday  
October 16, 17, 18, 19, 20, 2017

Monday, Tuesday, Wednesday  
October 23, 24, 25, 2017

Tuesday  
October 31, 2017

**Where:**

Ruth Patrick Science Education Center (RPSEC), University of South Carolina Aiken (Aiken, SC)

**Who:**

Middle & High School Students

**Focus:**

**Programs:** Journey to the Center of the Atom (Featuring the Interactive Nucleus), Probing Periodic Table, Chemical Matters, Meet the Elements, Engineering the International Space Station, Radioecology

**How:**

Teachers can make arrangements for class participation through <http://rpsec.usca.edu>

For more information contact Dr. Gary Senn at [SennG@usca.edu](mailto:SennG@usca.edu)

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Wednesday  
October 18, 2017

**Where:**

Augusta University – Summerville Campus (Augusta, GA)



**Who:**  
High School Students

**Focus:**  
Journey to the Center of the Atom (Featuring the Interactive Nucleus, Fundamentals of Nuclear Fuel, Going Nuclear)

**How:**  
Registration required. For more information contact Janelle Mangrum, 706-729-2260 or [jmangrum@augusta.edu](mailto:jmangrum@augusta.edu)



**Thursday**  
**October 19, 2017**

**Where:**  
Kroc Center – 1833 Broad Street, Augusta, GA – Hosted by SRS Community Reuse Organization

**Who:**  
GA/SC regional high school junior and senior students considering a career pathway that involves science, technology, engineering and math (STEM) skills.

**Focus:**  
Attendees will learn about future local career opportunities and interact with professionals in high-tech industries to included nuclear technology, information technology, cyber security, healthcare, advanced manufacturing and more through a wide range of interactive exhibitors and speakers. **#STEMCC2017**

# STEM Career CONNECTIONS<sup>SM</sup>

## How:

Registration required (limited space) and coordinated through educators – For more information and details, contact Kim Saxon at [kim.saxon@srsco.org](mailto:kim.saxon@srsco.org)

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## Our Sponsors

### Many thanks to our sponsors.

#### GOLD:

Southern Nuclear Company | SRS Community Reuse Organization | Nuclear Workforce Initiative®

#### SILVER:

Aiken Technical College | Applied Research Center | Atkins | Augusta Technical College | CB&I AREVA MOX Services, LLC | Savannah River Nuclear Solutions, LLC

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Augusta University College of Science & Mathematics | Augusta University Cyber Institute | BWX Technologies | Kimberly-Clark | Savannah River Remediation, LLC | South Carolina Electric & Gas | Textron Specialized Vehicles

#### IN-KIND

Bright & Bold Entertainment | Empowered Global Solutions, Inc. | Security Onion Solutions | STEM Premier



**Monday, Wednesday, Thursday, Friday  
October 16, 18, 19, 20, 2017**

#### Where:

Southern Nuclear Company Plant Vogtle (Waynesboro, GA)

#### Who:

Middle & high school students and teachers

#### Focus:

Tour & hands on demonstrations

## Site Visit DAYS



### How:

Registration required (limited space). For more information contact Joel Leopard at [jaleopard@southernco.com](mailto:jaleopard@southernco.com) or 706-848-3630

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### Wednesday

October 18, 2017

### Where:

Savannah River Site (SRS) – Aiken, SC

### Who:

CSRA high school Advanced Placement (AP) science & math teachers and technical college educators.

### Focus:

Science application at SRS

### How:

Registration required (limited space). For more information contact Kimberly Mitchell at [kimberly.mitchell@srs.gov](mailto:kimberly.mitchell@srs.gov) or 803-952-8782

Annual Edward Teller Lecture and Banquet

Thursday, October 19, 2017

## Annual Edward TELLER LECTURE AND BANQUET

### Where:

University of South Carolina Aiken Convocation Center, 75 Robert M Bell Pkwy, Aiken, SC

### What:

The Citizens for Nuclear Technology Awareness (CNTA) will hold their **26th Annual Edward Teller Lecture and Banquet** to coincide with Nuclear Science Week.

### Keynote Speaker:

Dr. Jim Conca, Forbes contributor and a scientist in the fields of earth and environmental sciences for 33 years.

### How:

Registration required. For more information contact CNTA at [cnta@bellsouth.net](mailto:cnta@bellsouth.net) or 803-649-3456

## Other ACTIVITIES

### Science Education Enrichment Day (S.E.E.D)

Saturday, October 7, 2017

10:00 am – 3:00 pm

University of South Carolina Aiken Campus

Cost: FREE!

Imagine making your own slime, talking turkey, driving a championship robot, becoming a TV meteorologist or traveling through a virtual representation of outer space. These are just a few of the many activities planned at this event.

The goal is to increase awareness of the critical role science, technology, engineering and math (STEM) fields play in our everyday existence.

Go to <http://rpsec.usca.edu/SEED/> for more information.



### Halloween Costume Ball

Friday, October 13, 2017

7:00 PM – 10:00 PM

Aiken Center for the Arts, 122 Laurens Street SW, Aiken, SC



### Halloween Costume Ball

Hosted by Citizen for Nuclear Technology Awareness Young Professionals Fundraising Committee.

Attire: Costumes preferred.

Tickets: \$35 at [C-N-T-A.com](http://C-N-T-A.com)

For more information contact Sunny Lunka at [sunny.lunka@srs.gov](mailto:sunny.lunka@srs.gov) 803-208-8680

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### Nuclear Blitz Days

October 16, 17, 18, 19, 20, 2017

The Citizens for Nuclear Technology Awareness Young Professionals and American Nuclear Society Savannah River Chapter will discuss topics to include nuclear energy, greenhouse gas reduction, nuclear education and careers.

Aiken County Public High School Chemistry and Physics Classrooms.

For more information, contact Jim Marra at [jimmarra@bellsouth.net](mailto:jimmarra@bellsouth.net) or 803-215-7946

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### SRS Museum / Educational & Historical Events

October 16, 17, 18, 19, 2017

The Alley in downtown Aiken, SC

224 Lauren Street, Aiken, SC – Sponsored by Savannah River Site Museum

Aiken's historical and educational initiatives

Discover the robots that once worked at Savannah River Site. With actual robots in place, visitors will learn all about the important role they played at the Site. Also, students from across the region will showcase their robots. Come learn more about the new generation of robotics enthusiasts!

For more information contact Walt Joseph at [qualityprt@aol.com](mailto:qualityprt@aol.com) or 803-648-5634

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### Block Party – Atoms in the Alley

**Saturday, October 21, 2017**


**5:00 pm – 9:30 pm**

**The Alley in downtown Aiken, SC**

**Block Party (Atoms in the Alley)**

**ATOMS IN THE ALLEY:** Join this fun, family friendly event celebrating Aiken County and the surrounding area's nuclear history. Event will include science related demonstrations, live music, vendors and a movie! Also, ribbon cutting at the fallout shelter exhibit.

For more information contact Tara Smith at [Tara.Smith@srnl.doe.gov](mailto:Tara.Smith@srnl.doe.gov) or 803-725-1427



## **Savannah River Site Education Outreach Programs**

The United States Department of Energy Savannah River Operations Office (DOE-SR) provides a variety of science and literacy outreach programs at the Savannah River Site (SRS) by funding and coordinating the efforts of several organizations. These organizations include the Savannah River Ecology Laboratory (SREL), Natural Resources Management and Research Institute, and Savannah River Nuclear Solutions, LLC (SRNS). The primary goals of these outreach programs are to enhance interest in science, mathematics, engineering and technology and to support improvements in education in the Central Savannah River Area by using the unique resources available at the Site. We believe business, industry, government and the education community must work together as partners to improve the educational opportunities for all students in our region.

To learn more about the many programs offered: <http://www.srs.gov/general/outreach/edoutrch/index.htm>

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## **Ruth Patrick Science Education Center**

The Ruth Patrick Science Education Center is a cooperative effort between the University of South Carolina Aiken, business, industry, and schools in the Central Savannah River Area. Its programs challenge the present and inspire the future to effect systemic change in science and mathematics education. Its hands-on approach to teaching is designed to help people experience the beauty, the order, and the power of science and mathematics, as well as the interest and fun of discovery.

Programs are available for students, teachers and the community. Learn more at <http://rpsec.usca.edu/>



## Educator ACTIVITIES THROUGHOUT THE YEAR



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### Bringing Nuclear into the Classroom

This workshop for middle and high school teachers was jointly developed and is implemented by the Citizens for Nuclear Technology Awareness (CNTA) and the local section of the American Nuclear Society (ANS-SR). The workshop includes hands-on styled presentations that demonstrate the fundamentals and benefits of nuclear technology and energy applications.

Workshops are presented several times each year. For more information contact [CNTA@bellsouth.net](mailto:CNTA@bellsouth.net).

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### Teaching Radiation, Energy and Technology (TREAT)

The goal of this workshop is to provide education, training, and experimental opportunities for Central Savannah River Area school teachers. The focus is on training and involvement of participants in learning about environmental radiation. The workshop includes classroom lectures and laboratory hands on exercises. Participants develop activities and study units for utilization in their class rooms.

For more information, please contact de'Lisa Carrico, DOE Environmental Justice Program Manager, at [d.carrico@srs.gov](mailto:d.carrico@srs.gov) or (803) 952-8607





Community  
ACTIVITES  
THROUGHOUT  
THE YEAR

### Savannah River Site (SRS) Museum

224 Laurens St. S.W. in Aiken, SC

The museum goals are to commemorate the achievements that helped win the Cold War, recognize the sacrifices of people displaced by the Site, excite young people about science and technology and boost the economy through heritage tourism.

Click [here](#) for a video of the ribbon cutting ceremony of the new SRS Museum at the former Dibble Library in Aiken, South Carolina.

For more information, visit their Facebook at <https://www.facebook.com/srs.heritage/> or website at <http://www.srsheritage.org/>

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### Savannah River Site Public Tour Program

Savannah River Nuclear Solutions, LLC will once again offer a limited number of Savannah River Site (SRS) tours for the general public. Site tours provide an opportunity for those interested in SRS to better understand the Department of Energy's facilities and workers that changed the face of Aiken, Barnwell and Allendale Counties, nearby cities and helped win the Cold War. Guests will also learn about facilities supporting future missions of the Savannah River Site.

For more information visit <http://www.srs.gov/general/tour/public.htm>

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### Plant Vogtle Energy Education Center

7821 River Road, Waynesboro, Georgia

The Vogtle Electric Generating Plant, located near Waynesboro in eastern Georgia near the South Carolina border, is jointly owned by Georgia Power (45.7%), Oglethorpe Power Corporation (30%), Municipal Electric Authority of Georgia (22.7%) and Dalton Utilities (1.6%).

Plant Vogtle is one of Georgia Power's two nuclear facilities and is one of three nuclear facilities in the Southern Company system.

Construction of the two-unit plant started in 1974. Unit 1 began commercial operation in May 1987. Unit 2 began commercial operation in May 1989. Each unit is capable of generating 1,215 megawatts for a total capacity of 2,430 MW. The plant is powered by pressurized water reactors manufactured by Westinghouse.

Approximately 900 people – engineers, mechanics, control room operators, lab technicians, instrument and control technicians, electricians, security officers and others – oversee the plant's operations 24 hours a day, every day of the year.

In June 2009, Plant Vogtle's operating license was extended for 20 years.

If you would like to receive information about Plant Vogtle or would like to schedule a plant tour or informative presentation for your school group, civic group or other group, please contact the Vogtle Energy Education Center staff at [veec@southernco.com](mailto:veec@southernco.com).



Local High-Tech  
TRAINING  
OPPORTUNITIES

### Training Opportunities

Science, Technology, Engineering and Mathematics (STEM) skills are important building blocks that help students expand their education and career opportunities. Creative resources are available to students, teachers and parents to promote STEM skill development and understand nuclear technology through activities that encourage exploration and involvement.

Visit the link below to learn about all the local high-tech training opportunities available:

[www.phoenixprintinggroup.com/client/SRSCRO/nuclear-careers/](http://www.phoenixprintinggroup.com/client/SRSCRO/nuclear-careers/)

### ***For more information about***

**Nuclear Science Week,**

contact Mindy Mets, Director of Regional Workforce Programs  
at [mindy.mets@srsco.org](mailto:mindy.mets@srsco.org) or Kim Saxon, Assistant Coordinator,  
at [kim.saxon@srsco.org](mailto:kim.saxon@srsco.org)



*"Growing Our Own Through Collaboration."®*