



44<sup>th</sup> Annual  
Summer Institute

Hosted by



College of  
Engineering

June 14-19, 2020

Register Now!

The University of Alabama, Tuscaloosa, AL

## The SECME Summer Institute Offers Two Exceptional, Concurrent Venues

### The SECME Summer Institute Professional Development Experience, June 14-19

Designed with the needs of classroom teachers and building-level leadership in mind, the five day Institute Experience brings together STEM educators and education leadership for learning, collaboration, and dialog. Participants take advantage of a wide range of interest specific elective options offered by the nation's most innovative educators and STEM leaders. The University of Alabama Colleges of Engineering and Education join with SECME Master Teachers, STEM Industry partners and thought leaders in STEM to bring the nation's best to you. [Click here to see last year's Institute schedule book](#) or [for module descriptions](#).

#### Unique SECME Experiences for Teachers

It is predicted that **nanotechnology** will be the next major scientific revolution—with an even greater impact than the Industrial Revolution. 2020 Institute participants will have the option to engage in Nano Science modules focused on helping your students understand the big implications of tiny technology. In addition to Nano Science content, educators may take part in the Engineering and/or Energy strands; or select modules from all strands to design their custom Institute schedule.

#### The SECME Difference Means Leaving with Turn-Key Solutions

SECME's modules are not presented as isolated activities. All modules are aligned to national standards and participants leave understanding STEM discipline concepts, methodology, and pedagogy – and the importance of integrating hands-on, standards-based learning into student instruction and activities. As part of the Institute professional development experience, participants have opportunities to meet in small professional learning communities to further align the SECME Institute module offerings to their states' standards, and work with a SECME Master Teacher Mentor to develop their *personal implementation plan* for the following school year to help insure seamless implementation of professional development content.

#### The SECME STEM Pipeline Diversity Summit, June 16-18

A three day convocation designed to bring state and district education, university, industry, and government leadership together with SECME educators and alumni to learn and discuss best practice in STEM education, equity and workforce pipeline issues and to exchange ideas that promote STEM postsecondary attainment.

#### The SECME National Student Competition and Celebration of Student Success

In addition to our two professional development venues, participants have an opportunity to see winning SECME Regional Competition student teams compete for SECME National Championship titles. These student teams, their chaperones, and SECME ExxonMobil Scholars are hosted for three days by The University of Alabama College of Engineering, which provides on-campus college life experiences during the National Competition and awards ceremony. SECME student competitions are open to all registered SECME program students.

The SECME Institute Experience will encompass module strands for elementary, middle, and high school STEM classroom teachers as well as building- and district-leadership. In addition to earning professional development credit, professional development participants are invited to attend the parallel, concurrent SECME STEM Pipeline Diversity Summit with university and corporate guests and the SECME National Student Competition and Awards Celebration.



### What Past SECME Summer Institute Educators Have Said...

"These creative and innovative professional development modules have allowed our students to become inquirers, as they seek to find information on their own. Our teachers are learning to become facilitators instead of just givers of information."

"Since using the Institute module content, students are more engaged and they have more fun learning."

"All of the SECME modules that I attended have been very useful to my students. They provided me a hands-on platform to introduce the concepts of engineering. The SECME Institute is one of the most practical professional development workshops I have attended in a long time."

"I changed my entire [art] sculpture unit to a STEAM challenge. The kids loved it and became very involved in problem solving."

"We have created a Sensational Science Club that meets once a month with students ranging from K-5."

"The *Periodic Table Goes Live!* is an example of an interactive module activity I now use. It deviated from the traditional way of teaching the periodic table - like memorizing symbols and characteristics of the elements. With this new activity, learning became more fun for my students and the retention of concepts was better, as evidenced in weekly assessment data."

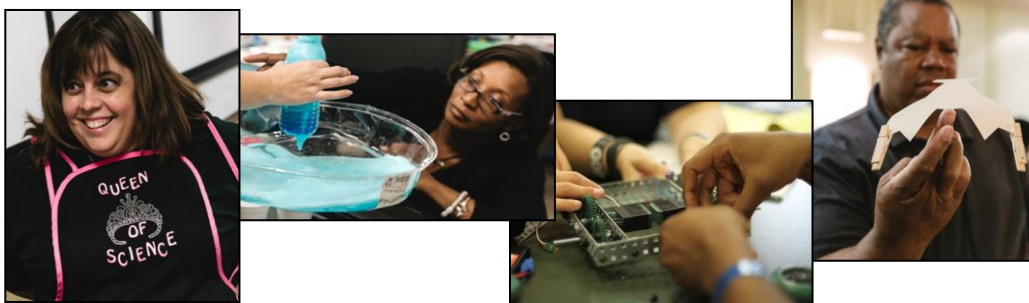
VISIT [WWW.SECME.ORG](http://WWW.SECME.ORG) FOR MORE INFORMATION AND TO REGISTER

#### Our 2018 Participant Post-Institute Evaluations Show:

- 100% were "very satisfied" or "satisfied" with the Institute professional development modules.
- 100% would recommend a peer attend a future SECME Summer Institute.
- 100% would like to return for the next Annual SECME Summer Institute.

#### Our Mid-Year Survey of 2018 Participants Shows:

- 100% use content from the 2018 Institute in their classrooms and for their own personal professional growth.
- 100% feel their students' interest in and understanding of STEM concepts has been positively impacted in part due to the Institute module content they are using in their classrooms.
- 80% have shared 2018 Institute module strategies, lessons, and information with their colleagues either formally or informally.



### The SECME Summer Institute Experience K-12 Professional Development

#### **Who should attend?**

Elementary, Middle, and High School Teachers; Building-level Leadership (principals, assistant principals, curriculum coordinators)

**Institute Experience Registration Options** are designed to meet a variety of attendee needs:

\$3,000 Travel Included Experience: includes travel, lodging, meals, and all Institute Events

\$2,500 Institute Experience: includes lodging, meals, and all Institute Events

\$1,800 Commuter Experience: includes lunch daily, and all Institute Events

\* SECME encourages schools, districts, universities, and industry to provide Teacher Institute Scholarships. Please contact the SECME National Office at [secme@coe.gatech.edu](mailto:secme@coe.gatech.edu) for more information.

**Special Offer:** For every four K-12 participants registered, a District or school can receive one free registration at the same registration rate.

### The SECME STEM Pipeline Diversity Summit

#### **Who should attend?**

Building-level and District-level Leadership (STEM curriculum specialists and coordinators) not attending the Institute Experience; SECME Member University Leadership; SECME Industry and Government Partners and Friends; SECME Alumni

**Institute STEM Pipeline Diversity Summit Registration** is \$500.00 and includes all Summit events & banquets (lodging and meals not included).

\*Check the website for travel/lodging inclusive rates for the STEM Pipeline.

Visit [www.secme.org](http://www.secme.org) for more information