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Georgia Southern Engineering programs welcomed 100+ QUEST students

February 11, 2019

Georgia Southern University Allen E. Paulson College of Engineering and Computing welcomed 100+ Bulloch County Schools QUEST students to campus for a study trip.

The Georgia Southern Engineering faculty and students provided visual and hands-on demonstrations for using problem-solving, critical thinking, teamwork, math, and science. The QUEST students learned the relationship between these skills and future career options, specifically in the field of engineering. The full-day schedule began with engineering lab tours for Solar Power, Energy and Engines, BEaM – Built Environment and Modeling, Mechatronics, Robotics, and Engineering. QUEST students were challenged in a Design and Build Activity using their own critical thinking, communication, and cooperation skills during an afternoon session.

Ellen Cowart, QUEST teacher for Julia P. Bryant Elementary School, said “QUEST teachers know the excitement and curiosity the students have as they visit each of the engineering departments such as the mechatronics lab and manufacturing labs. Engineering faculty and students do a wonderful job interacting with our QUEST students sharing information through hands-on activities. The group design and building activity planned just for their creative minds is a highlight,” says

Over 20 Engineering Ph.D. faculty and their students worked with 5th-grade gifted students from nine local elementary schools including Julia P. Bryant, Brooklet, Stilson, Nevils, Sallie Zetterower, Mattie Lively, Mill Creek, Langston Chapel, and Portal Elementary.

“Partnerships with regional school districts are dynamic opportunities to bring students to our campuses or for us to take technology to the schools. Faculty in our College see the value in introducing young students to STEM fields. To capture their attention at young ages, to encourage their interests, and to provide opportunities for young learners to experience technology for themselves is a pathway for students continuing into technology fields and to pursue higher education in engineering and computer degree programs,” said Lori Mallard, marketing specialist for the College of Engineering and Computing.



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Female Engineering Students Awarded Research Grants

February 11, 2019

Sophia Fleri and Margaret Kilpatrick are seniors in Mechanical Engineering at Georgia Southern University. Each received a \$2,000 award to fund her undergraduate research.

Fleri's topic for her undergraduate honors thesis, "Environmental Energy Sustainability Evaluation by Simulation and Experiment." Kilpatrick is also working toward her undergraduate honors thesis, "Noise, Vibration, and Combustion Emissions Comparison of IPK and S8 Synthetic Fuels in an Aero Gas Turbine." Both students are developing their research in the Mechanical Engineering program's Energy and Aerospace Combustion Laboratories. Professor Valentin Soloiu, Ph.D., the Allen E. Paulson Distinguished Chair of Renewable Energy, is the faculty mentor for Fleri and Kirkpatrick.

These grants are a part of the Allen E. Paulson College of Engineering and Computing Undergraduate Research grant program, an internal competitive-selection process.