

WHO'SWHO In Education



Suffolk County Community College Professor of Chemistry Dr. Candice J. Foley has been a leading science, technology, engineering and mathematics (STEM) researcher and educator for more than 30 years and is recognized for her efforts to promote the integration of STEM education as a statewide and national model and for her lasting contribution to STEM career path options for students.

Dr. Foley will be awarded the prestigious 2017 Margaret Ashida Higher Education STEM Outreach Leader award this summer for her advocacy and leadership.

She served as a delegate to the State University of New York (SUNY) Research Foundation Undergraduate Research Steering Committee investigating the persistence of undergraduate students in STEM at SUNY and is a charter member of the Empire State STEM Learning Network and the Long Island STEM Hub. Dr. Foley has served as a conference organizer for the National Science Foundation, a symposium organizer for the American Chemical Society, and as the conference coordinator for the SUNY East 2017 Undergraduate Research Conference.

According to the U.S. Department of Commerce, STEM occupations are growing faster than any other occupation. Additionally, STEM degree holders earn a higher income including in non-STEM careers and STEM workers play a key role in the sustained growth and stability of the U.S. economy.

"STEM education creates critical thinkers, increases science literacy, and enables the next generation of innovators," Dr. Foley said. "Innovation leads

to new products and processes that sustain our economy. This innovation and science literacy depends on a solid knowledge base in the STEM areas. It is clear that most jobs of the future will require a basic understanding of math and science."

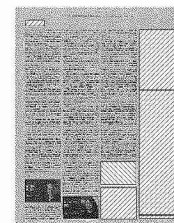
Suffolk County Community College is prepared to meet this goal. The Suffolk County Community College Renewable Energy and STEM Center is the college's new \$19.5 million building that will showcase the merits of renewable energy, provide a facility where the installation, repair and maintenance of renewable energy systems can be taught and create an opportunity to combine research from other colleges and universities with Suffolk's expertise in training.

The new space will be used for renewable energy training and other STEM related courses. Incubator space will be provided for those that are developing new marketable technologies, including energy and digital.

"Cybersecurity educational opportunities will be an essential component for workforce programs, degree and continuing education students," Dr. Foley said. "In addition, potential partnerships with universities in research and development initiatives will engage STEM student interns. Cybersecurity training is a priority at both a state and federal level."

The new building on the Michael J. Grant Campus in Brentwood is also intended to serve as the operational hub of the college's growing energy management initiatives, connecting digitally to buildings on all three campuses, and optimizing efficient use of all college resources. The building will be designed as a Net Zero Energy Building. The energy required to illuminate, heat, cool and ventilate the building will be equal to or less than the energy produced from renewable sources.

Dr. Foley earned a Ph.D. in inorganic chemistry from Stony Brook University and a BS in chemistry from the University of South Carolina. Dr. Foley completed a post-doctoral appointment at Brookhaven National Laboratory where she focused her research on the design and development of inorganic cluster compounds for radiopharmaceutical



and electron microscopy applications.

With more than 27,000 students enrolled at three campuses in Selden, Brentwood and Riverhead, Suffolk County Community College offers Associate in Arts (A.A.), Associate in Science (A.S.), and Associate in Applied Science (A.A.S.) degrees and professional certificates in 100 programs of study.