

ENERGIZING THE FUTURE OF NEW YORK STATE



Stony Brook University

Stony Brook to build engineering workforce of the future to tackle pressing issues

HOW DOES NYS MEET THE TOUGHEST CLIMATE CONTROL LAW IN THE NATION?

By 2030, New York State will require 70% of electricity to be from renewable sources. By 2050, **100% of human-caused climate pollution must be eliminated** and 85% of greenhouse gas emissions reduced from 1990 levels.

These goals will require a new generation of engineers and innovative thinkers trained in state-of-the-art facilities to combat climate control in what is certain to be an AI-driven economy.

Stony Brook University (SBU), the No. 1 producer of engineering degrees in New York State and 19th in the nation, will bring together its College of Engineering and Applied Sciences, School of Marine and Atmospheric Sciences, Center of Excellence in Advanced Energy and others to train this workforce.

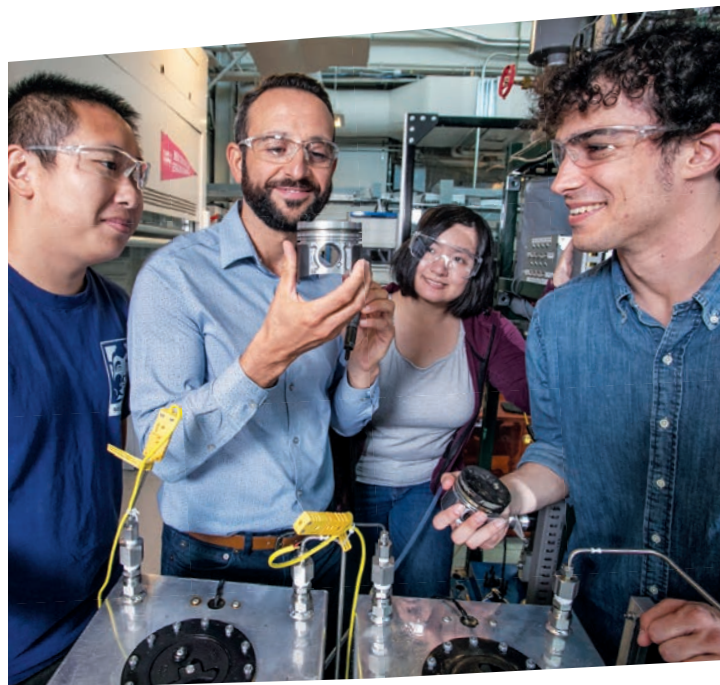
HOW WILL NYS COMPETE IN AN AI-DRIVEN ECONOMY?

AI is fast moving and **New York must act quickly to be a global competitor**. By leveraging its new Institute for AI-Driven Discovery and Innovation and Institute for Engineering-Driven Medicine, **SBU is reinventing the future of engineering education** by bringing together students from engineering, medicine, arts and humanities and other disciplines.

THE NEED FOR A CUTTING-EDGE ENGINEERING FACILITY

In 2018, SBU received \$25 million from New York State to begin the design phase for a new \$100 million, 100,000-gross-square-foot facility that will provide students with the tools, opportunities and experiences to meet the state's climate control goals, take on a new AI-based economy and more. SBU is seeking an additional \$50 million in the 2020 state budget and is committing to raise the remaining amount through private donations.

This new facility will help drive global and regional economic development while meeting the demand for SBU's growing engineering departments, where enrollment has increased by more than 75% since 2009.



UNPRECEDENTED STUDENT GROWTH

75%

Increase Over
10-Year Period

3,144

Students in 2009

5,505

Students in 2019