## HAPPY HOLIDAY SEASON!

With the holiday season approaching, we would like to share some exciting news about our department.

**Petar M. Djurić**
SUNY Distinguished Professor and Chair
Department of Electrical
and Computer Engineering
Stony Brook University
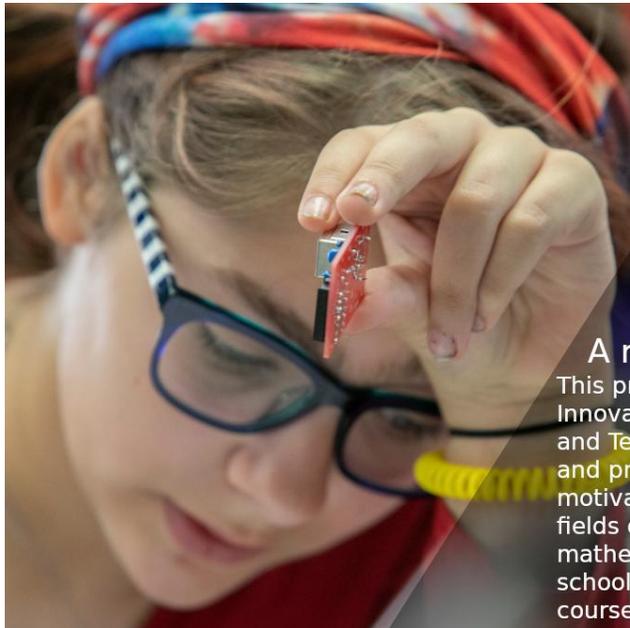
### Monica Bugallo
### A recipient of $1.2M NSF Award

This project will advance efforts of the Innovative Technology Experiences for Students and Teachers program to better understand and promote practices that increase students' motivations and capacities to pursue careers in fields of science, technology, engineering, or mathematics (STEM) by preparing middle school students for advanced science and math courses, and for engineering careers.

# Milutin Stanaćević
## Recipient of a $950K NSF award

The project addresses the development of autonomous networks of batteryless, RF-powered tags, which besides performing basic operations, like localization and tracking, carry out RF sensing and fingerprinting.

RF-Powered Intelligent Tag Networks
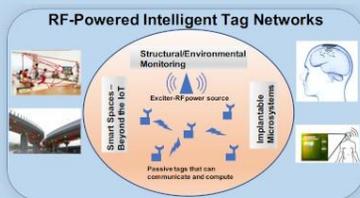
# Djurić and Quirk awarded $3.2M by NIH to improve delivery room decisions

The main effort in the project is to investigate machine learning methods for classification of intrapartum signals (FHR and uterine activity) that have the potential to significantly outperform the accuracy of contemporary methods.

# Peng Zhang: A new Empire Innovation Professor hired

The department is excited about having Dr. Peng Zhang as a new faculty member.

He is involved in conducting high impact research in several areas of power systems including networked microgrids, software-defined smart grid, cybersecurity, formal methods, and quantum engineering for resilient power systems.

# National Grid helps Stony Brook engineer a transformation

National Grid continues to support Prof. Bugallo's Next Generation Engineering Programs at Stony Brook which have helped K-12 students, teachers, and guidance counselors across Long Island better understand engineering, and which have made engineering more accessible to underrepresented students and communities.

## Our faculty were recipients of IEEE Awards

**Prof. Ken Short**

**Prof. Emre Salman**

**Prof. Peter Milder**

Prof. Ken Short received the IEEE Long Island Section Lifetime Achievement Award

Prof Emre Salman received the IEEE Region 1 Award for Technological Innovation

Prof. Peter Milder received the IEEE Long Island Section Outstanding Young Engineer Award

# Rehabbing of labs

The department has gone though a nine month renovation process whose cost was above $850,000. The renovation included: the Undergraduate CAD lab, the analog labs, the undergraduate UNIX Lab, the Graduate CAD Lab, professor's labs, offices and the conference space.

The faculty, staff, and alumni of the College of Engineering and Applied Sciences gathered on Monday, September 16, 2019, for the opening of the remodeled Embedded Systems Design Laboratory (ESDL) and the Digital Systems Rapid Prototyping Laboratory (DSRPL).

BE THAT ENGINEER ...
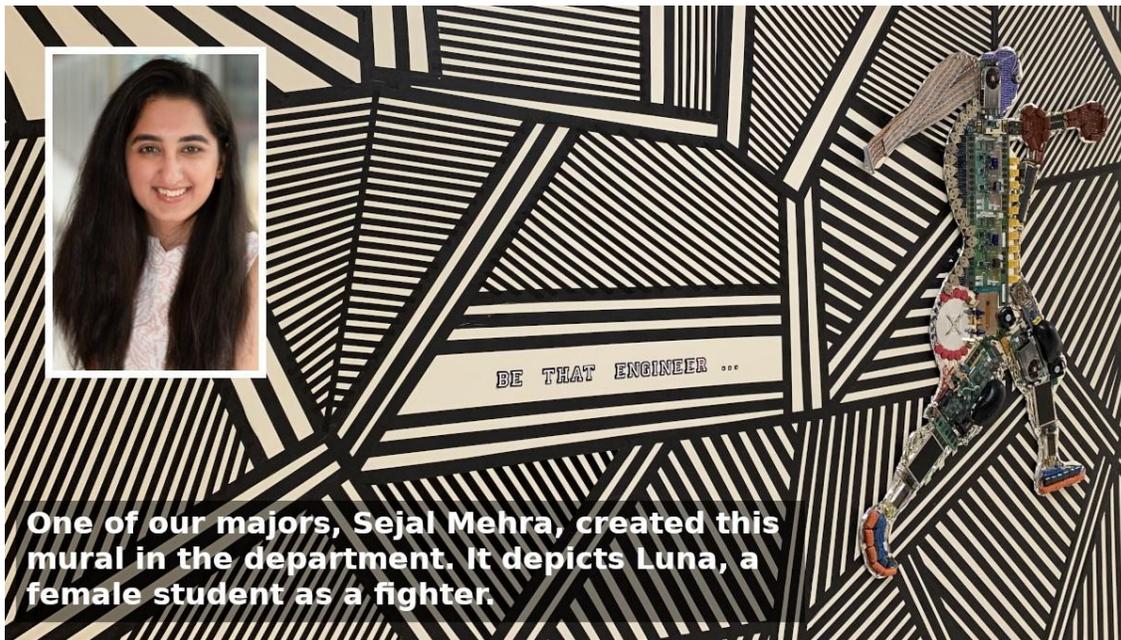
One of our majors, Sejal Mehra, created this mural in the department. It depicts Luna, a female student as a fighter.

**Our mailing address is:**
Department of Electrical and Computer Engineering, Stony Brook University
Stony Brook University Department of Electrical An
Room 273 Light Engineering Building
Stony Brook, NY 11794-2350