



NEWS

FUNDING GROWTH
↑16%
 AVERAGE ANNUAL GROWTH RATE OVER 10 YEARS

ENROLLMENT GROWTH
↑16%
 AVERAGE ANNUAL GROWTH RATE OVER 6 YEARS

FACULTY GROWTH
7 FACULTY HIRED IN 2 YEARS

Trivia
 Which ECE faculty member competes in [Def Con](#)?
 Answer below

Fall 2017 Events

ECE is co-hosting the International Symposium on Stabilization, Safety, and Security of Distributed Systems ([SSS 2017](#)).

Duke ECE Chair Prof. Krishnendu Chakrabarty will visit ECE as an [ECE Distinguished Lecturer](#).

[Impact Report](#)

[Newsletters](#)

Do you have a story idea? [Contact us!](#)

GROWTH

NEW FACILITIES & RECORD-BREAKING DONATIONS With a boost from a \$115 million gift, BU opened the Rajen Kilachand Center for Integrated Life Sciences & Engineering. The center will facilitate synthetic biology, neuroscience, cognitive neuroimaging and tissue engineering research of ECE faculty. [Full story](#)

NEW ENDOWED PROFESSORSHIP Prof. Ji-Xin Cheng, a world leader in molecular spectroscopic imaging, joined ECE and now holds the endowed title of Theodore Moustakas Professor of Optoelectronics and Photonics. [Full story](#)

RESEARCH

ECE FACULTY LEADS A NEW NSF ERC Prof. David Bishop and a multi-university research team win a \$20 million grant, one of four awarded this year. The Engineering Research Center in Cellular Metamaterials is on a mission to synthesize personalized heart tissue for clinical use. [Full story](#)

PATENT FOR LED LIGHTS & SENSOR SYSTEM Prof. Thomas Little and co-inventors were awarded a patent for a system of smart LED lights and sensors they developed with NSF funding. The smart lighting system can detect the locations and postures of multiple persons without using cameras. [Full story](#)

SOLAR ECLIPSE, SCIENTIFIC OPPORTUNITY Prof. Joshua Semeter's research will deepen our understanding of Earth's upper atmosphere—which has the potential to disrupt technology like GPS navigation systems—and will also demonstrate how cheap GPS sensors like the ones in smartphones could be used for broader “citizen science” initiatives. [Full story](#)

YOUNG LEADERS

DOE EARLY CAREER AWARD Prof. Sahar Sharifzadeh earns a highly-competitive award for her groundbreaking work in nano electronics. [Full story](#)

NAMED TOP 5 INNOVATOR UNDER 40 The Design Automation Conference recognizes Top 5 innovators Under 40, and names Prof. Douglas Densmore as an emerging young leader in the field of electronic design automation (EDA). [Full story](#)

TWO NSF RESEARCH FELLOWSHIPS PhD candidate Alex Matlock (EE '21) and recent graduate Anna Stuhlmacher (EE '17) won NSF graduate research fellowships. The awards will fund Matlock's research helping doctors identify viruses and Stuhlmacher's research integrating renewable energy into the grid. [Full story](#)

DEPARTMENT NEWS

ECE'S DEEP CROSS-DISCIPLINARY TEAM Prof. David Boas, well-known for the use of near-infrared spectroscopy to determine the metabolic origins of the ubiquitous fMRI BOLD signal, joins BU. [Full story](#)

LAUNCHING NEW DEGREE The College of Engineering has developed a Master of Science in Electrical and Computer Engineering degree to train engineers who are prepared for evolving, technically demanding careers. [Learn More](#)

Spring and Summer Review

Energy-efficient computing expert Professor [Ayse Coskun](#) was most recently recognized with grants from the National Science Foundation (NSF) and Sandia National Laboratories, a best paper award, and an early career award. [Full story](#)

Prof. [Michelle Sander](#) was published in *Analyst* and named Optical Society of America Ambassador. [Full story](#)

Prof. [Roscoe Giles](#) is an Associated Universities Inc. (AUI) board member and served a critical role in vetting and hiring AUI's new president, Dr. Adam Cohen. [Learn more about the board and Prof Giles.](#)

Trivia answer: [Prof. Manuel Egele](#). [Click to view a picture of the professor with his team, the Starfish.](#)