

BOSTON UNIVERSITY College of Engineering Department of Electrical and Computer Engineering



FUNDING GROWTH

% ERAGE ANNUAL OWTH RATE OVER YEARS

ENROLLMENT GROWTH % RAGE ANNUAL WTH RATE OVER ARS



Trivia

Which ECE faculty member competes in <u>Def Con</u>? 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.

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

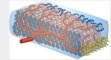
and tissue engineering research of ECE faculty. Full story



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 multiuniversity 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

Impact Report



Newsletters



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DOE EARLY CAREER AWARD Prof. Sahar Sharifzadeh earns a highlycompetitive award for her groundbreaking work in nano electronics. Full <u>story</u>



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.



