ECE contributes to a new study suggesting that CTE is caused by head injuries, not concussions.
The research explains why 20% of athletes who exhibited the early stages of the progressive brain illness postmortem never had a diagnosed concussion.

ECE PhD graduate Amanda Gaudreau-Balderrama and ECE Professor Janusz Konrad contributed to image and video analysis in the study.

National Academy of Inventors elects ECE Professor David Bishop as a Fellow. Bishop holds US patents for 47 micro mechanical inventions. The centerpiece of his portfolio is the lambda router.

ECE wins a $1 million contract from the Department of Energy’s ARPA-E program. A multi-disciplinary team will develop a sensing system to estimate a room’s occupancy and appropriately adjust ventilation, with the goal of saving energy. ECE Professor Janusz Konrad will lead the three-year project with collaborators Professors Prakash Ishwar (ECE), Thomas Little (ECE), and Michael Gevelber (ME).

ECE is key in an interdisciplinary effort to advance robot machine learning and autonomy. ECE Professor Christos Cassandras contributes insights into how robots seamlessly integrate with society, and ECE affiliated professor Calin Belta develops smarter ways to control robots.

ECE Professor Vivek Goyal wins the 2017 IEEE Signal Processing Society Best Paper Award. Goyal’s article, titled “Message-Passing De-Quantization with Applications to Compressed Sensing,” was published in IEEE Transactions on Signal Processing.

The Optical Society elects three professors as Fellows: Professors David Boas (BME, ECE), Luca Dal Negro (ECE, MSE, Physics) and Selim Ünlü (ECE, MSE).

Source: TimesHigherEducation.com