Dear Friends,

As I begin my second semester as Interim Chair, it is my pleasure to bring you some highlights from the Fall 2016 semester. The department is as vibrant as ever, and I’m honored to be given an opportunity to play a role in shaping it and leading it forward. We enjoy sharing these exciting events with you, and this past semester was a busy and full one. Please keep an eye on your inbox as we are finalizing the plans for our 125th Anniversary Celebration, which will take place in Fall 2017.

Warmest Regards,

[Signatures]

Department News

Lehigh ECE's Nelson Tansu Elected NAI Fellow

Professor Nelson Tansu has been named a Fellow of the National Academy of Inventors (NAI). He is widely regarded as one of the world’s leading researchers and inventors in the field of semiconductor optoelectronics materials and devices. Election to NAI Fellow status is “the highest professional distinction accorded to academic inventors who have demonstrated a prolific spirit of innovation in creating or facilitating outstanding inventions that have made a tangible impact on quality of life, economic development, and the welfare of society.”

Read More

DeWeerth Becomes Engineering Dean

Stephen P. DeWeerth, former associate dean for research and innovation at the Georgia Tech College of Engineering, assumed his role as the new dean of Lehigh’s P.C. Rossin College of Engineering and Applied Science (RCENG) on September 1, 2016. DeWeerth will also serve as a professor of electrical and computer engineering.

Read More

Professor Tatic-Lucic Named Interim Chair, ECE

Professor Svetlana Tatic-Lucic has been named interim chair of the department of electrical and computer engineering, effective August 2016. She succeeds Filbert Bartoli, Chandler Weaver Chair and professor, who is now serving as Director of the Division of Electrical, Communications and Cyber Systems at the National Science Foundation.

Read More

Shankar Joins Lehigh as Director of ESEI

Dr. Ramesh "Rudy" Shankar has been named director of Lehigh's Energy Systems Engineering Institute (ESEI) effective July 1, 2016. He succeeds Rick Blum, the Robert W. Wieseman Professor of electrical and computer engineering, who served as interim director over the past year.

Read More

Lehigh ECE's Nelson Tansu Elected NAI Fellow

Professor Nelson Tansu has been named a Fellow of the National Academy of Inventors (NAI). He is widely regarded as one of the world’s leading researchers and inventors in the field of semiconductor optoelectronics materials and devices. Election to NAI Fellow status is “the highest professional distinction accorded to academic inventors who have demonstrated a prolific spirit of innovation in creating or facilitating outstanding inventions that have made a tangible impact on quality of life, economic development, and the welfare of society.”

Read More

Shankar Joins Lehigh as Director of ESEI

Dr. Ramesh "Rudy" Shankar has been named director of Lehigh's Energy Systems Engineering Institute (ESEI) effective July 1, 2016. He succeeds Rick Blum, the Robert W. Wieseman Professor of electrical and computer engineering, who served as interim director over the past year.

Read More
Illuminating the Circuitry of the Brain

Chao Zhou and Yevgeny Berdichevsky, both assistant professors of electrical and computer engineering, have joined forces to explore the use of a noninvasive, ultrahigh speed biomedical imaging technology known as space-division multiplexing optical coherence tomography (SDM-OCT). The technique could potentially map the brain using light.

Read More

A Sharper Focus for Plasmonic Lasers

Lasers have become indispensable to modern life since they were invented. The plasmonic laser uses nanoparticles to confine light energy inside the cavity from which light is generated. Researchers, including Sushil Kumar, associate professor of electrical & computer engineering, are seeking to develop even smaller nanolasers, of which plasmonic lasers are the tiniest.

Read More

ECE Alum Named Siemens CEO US

Judy Marks ’84, who joined Siemens as CEO of its government technology subsidiary, officially took over the role of CEO of U.S. operations on January 1.

“Marks has a deep knowledge of Siemens’ entire portfolio that will serve us well during this time of transition and into the future,” explained Lisa Davis, Chair and CEO of Siemens Corporation.

Read More

ECE Sophomore Becomes Lehigh’s First IEEE Scholarship Recipient

Jonathan Hou has been named a 2016 Institute of Electrical and Electronics Engineers Power and Energy Society Scholarship Plus recipient, becoming the first student from Lehigh to receive this honor.

The IEEE PES Scholarship Plus Initiative recognizes highly qualified electrical engineering undergraduate students with multi-year scholarships and assists in connecting them with relevant and meaningful career experiences.

Read More