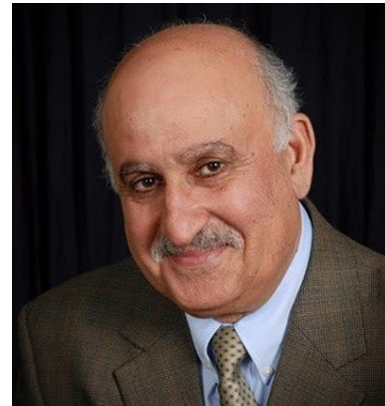


Department of Electrical and Computer Engineering

Winter 2021

This fall semester we are grateful to be back in person, on campus! There is an energy of renewal that permeates throughout the Department of Electrical and Computer Engineering that is invigorated by our students, awards, research advancements, and our labs and curriculum improvements.

Recent curriculum enhancements include the introduction of a new senior-level Major Design Experience course for realistic, hands-on engineering team projects. We have updated our labs with the latest technological equipment. ECE faculty are making great strides with their high-impact research in the areas of greener energy sources and advanced medical imaging. We have an increased number of students who are attracted to our computer engineering programs in the areas of [cybersecurity](#), [artificial intelligence](#), and [Internet of Things](#), all of which have a high demand in today's workforce.

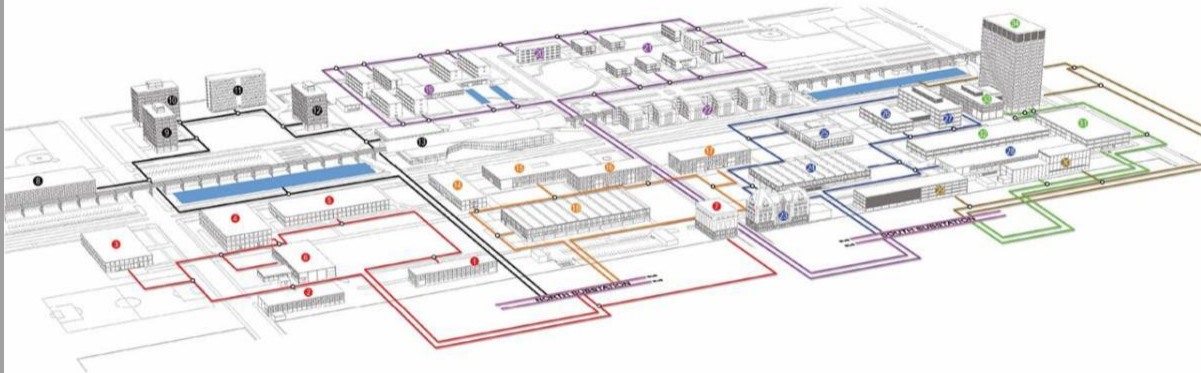


I'm excited about our momentum and will be sharing more great news in the near future.

Sincerely,
[Jafar Saniie](#)

Filmer Chair Professor of Electrical and Computer Engineering
Department Chair

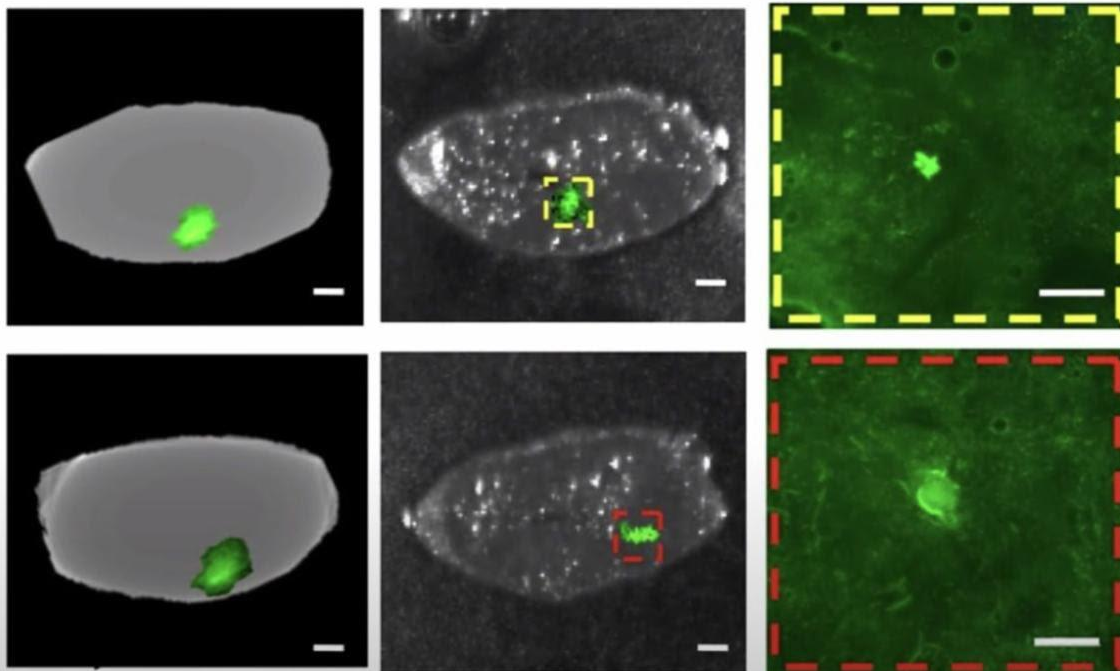
NEWS HIGHLIGHTS



Coming Full Circle: Four New Loops Will Enhance Campus Microgrid

Using \$5 million in new funding awarded by the State of Illinois, University Distinguished Professor and Bodine Chair Professor Mohammad Shahidehpour will complete the original vision for Illinois Tech's microgrid by moving all of Mies Campus to a looped distribution system.

[Read More](#)



Jovan Brankov Honored for Excellence in Research

Illinois Tech recognized Professor Jovan Brankov, who first joined the Department of Electrical and Computer Engineering in 2002, for his work as an innovative researcher and a leading expert in medical imaging through the Sigma Xi/IIT Award for Excellence in Research Senior Faculty Award.

[Read More](#)

[**Read More ECE News**](#)

STUDENT NEWS



Streaming Video Through a Metal Pipe

Xin Huang (Ph.D. EE Candidate) is developing an ultrasonic system to help nuclear facilities overcome communication barriers. Turns out the solution has been there the whole time, hidden in the walls.

[Read More](#)

[Award-Winning Student Research from Larissa Affolabi Aims to Innovate Electric Vehicle Charging](#)

[What a ComEd Scholarship Will Mean for Eduardo Calix](#)

[Read More ECE Student Stories](#)

ALUMNI NEWS



A Skill Set for Career Growth

David Hentrich (M.S. EE '07, M.S. CE '07, Ph.D. CE '18) started at Illinois Tech through the university's groundbreaking IITV program, which offered remote learning options through broadcast television as early as the 1970s. Now he's a tech fellow at Northrop Grumman.

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ECE IN THE NEWS

[**"There's More to a Greener Grid Than Turbines and Transmission Wires"**](#) (*The Hill*) University Distinguished Professor Mohammad Shahidehpour

