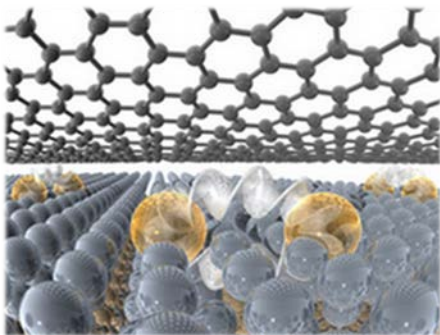




Deepfakes: The Next Big Threat to American Democracy? Professor Hao Li, a CONIX researcher, often referred to as a deepfake “pioneer” and “artist”
[Read more](#) »



Two-dimensional metals open pathways to new science at Penn State



“We have leveraged our understanding of a special type of graphene, dubbed epitaxial graphene, to stabilize unique forms of atomically thin metals,” said [Natalie Briggs](#), the lead student on research out of Prof. Josh Robinson’s group. “Interestingly, these atomically thin metals stabilize in structures that are completely different from their bulk versions, and thus have very interesting properties compared to the bulk.” Beyond creating unique 2D metals, the team is exploring new 2D semiconducting materials. The next steps in their studies are to prove out the superconducting, sensing, optical, and catalytic properties of these layered materials. [Learn more](#) »



SRC Professor named fellow by the National Academy of Inventors

Professor Gabor Temes, Oregon State, has been named to the rank of fellow by the National Academy of Inventors, the highest professional distinction bestowed upon academic inventors. His work in analog circuits has led to improvements in cell phones, medical devices and other technologies. [Read more](#) »

Acquisition of Purdue-affiliated startup propels computer intelligence to the next level



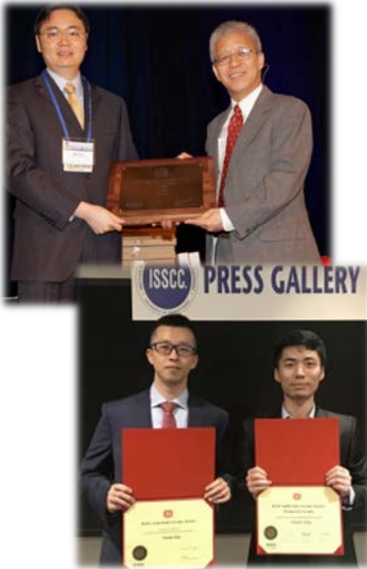
Image Credit: Micron

A software and hardware startup that spun out of Purdue, FWDNXT, was acquired by Micron in October '19. Micron is integrating FWDNXT's AI technology to explore deep learning solutions for data analytics, particularly in IoT and edge computing. "Purdue provided the entrepreneurial resources to help achieve my vision of taking our work to a much wider audience," said Eugenio Culurciello, [formally a C-BRIC faculty researcher](#) and now a Micron Fellow and Chief ML Architect. "Micron has the leadership in memory, long history of innovation, and drive to deliver power and performance capabilities that address the most complex and demanding edge applications at scale." Read more [here](#) and [here](#) »



SRC professor receives 2020 Sloan Research Fellowship

The fellowship supports early-career faculty members' original research and education related to science, technology, mathematics and economics. "A Sloan research fellow is someone whose drive, creativity and insight makes them a researcher to watch," said Adam F. Falk, president of the Sloan Foundation. Congratulations to Cornell Professor, Robert DiStasio. DiStasio's theoretical chemistry group uses new approaches to understand the non-bonded interactions that occur between molecules. [Read more](#) »



TxACE professor and his research group receive awards at IEEE International Solid-State Circuits Conference

Professor Nan Sun, UT/Austin, was honored with the inaugural IEEE Solid-State Circuits Society (SSCS) New Frontier Award. Established in 2019, this award "recognizes and honors SSCS members in their early career who are exploring innovative and visionary technical work within the field of solid-state circuits. The award aims to emphasize pioneering developments that are at the frontiers of IC design or possess an imminent potential to expand the field through new categories of circuit technologies, system design, and/or emerging applications." SRC PhD student [Wenda Zhao](#) received the SSCS Pre-Doctoral Award and postdoctoral fellow Xiyuan Tang received the SSCS Rising Star Award. [Read more](#) »



CONIX Director receives CMU's Siewiorek Professorship honoring an effort that spans both electrical/computer engineering and computer science

I'm very honored and deeply humbled to receive the Siewiorek Professorship," said Prof. Anthony Rowe. "It takes on extra meaning, as Dan (Siewiorek) has been a great mentor to me throughout my time at Carnegie Mellon. His pioneering work across multiple fields embodies the interdisciplinary ethos of CMU, and has inspired me to collaborate with a diverse range of disciplines." Prof. Siewiorek said, "I hope this professorship will inspire faculty to nurture a career in both fields." Learn more about Prof. Rowe's SRC research [Read more](#) »

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