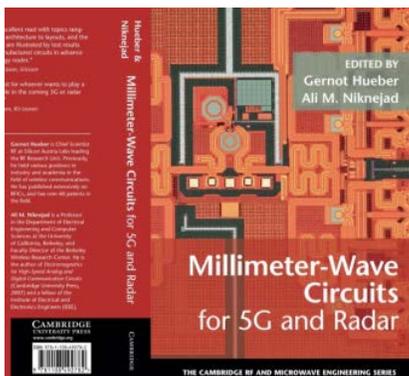# Purdue boosting the "brains" of computers with less wasted energy.
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Book on 5G & Millimeter-Wave Circuits highlights ComSenTer experts' discoveries.

The new book, "Millimeter-Wave Circuits for 5G and Radar", co-edited by [Ali Niknejad](#), the Assistant Director of the JUMP ComSenTer, and Gernot Hueber, is currently in print at the Cambridge University Press. It will be available online in May and in hardcopy form at the end of July 2019. A limited number of hardcopies will be available at RFIC/IMS in Boston on June 2-4, 2019. [Read more](#). »

SRC launches an Automotive Electronics Emerging Research Program

This program brings together several industry leaders and covers key research themes including advanced reasoning and learning, sensor fusion and perception, and high dependability. [Read more](#). »

Partnership with Abu Dhabi Emirate results in transformation of UAE economy.

The selection of SRC to partner with Abu Dhabi was a natural one. SRC's rich history and institutional knowledge provided an organization and a framework to launch an Abu Dhabi university research program in semiconductor technologies, with high-quality research outcomes and an emphasis on nurturing students from the UAE. Read more. »

SRC researcher wins ECASE – Army Award.

Professor Domenic Forte was recently awarded the prestigious Early Career Award for Scientists and Engineers. Dr. Forte and his team will work on a technology to collect data from an electronic system that will give it a unique "fingerprint" for its working life. Read more. »

Specialization trend just beginning, ADA Director Valeria Bertacco tells EE Times.

Valeria Bertacco recently told *EE Times* that many developers are turning to specialized chips to improve performance. "We are just seeing the beginning of this trend," she said. "Today, we have five or six types of specialized processors, but in 5 to 10 years that may turn into 100," Bertacco said. "Scaling silicon is not the only way to get lower power and better performance. It was just the easiest way until 10 years ago." Read more. »

SIA blueprint calls for bold federal policies to sustain U.S. leadership in Chip Technology.

It's time for ambitious federal policies to sustain U.S. leadership in semiconductors and the emerging technologies they enable. Invest in research, strengthen America's tech workforce, and ensure open markets and fair competition. Here's the SIA plan to #WinTheFuture. SIA recommends a 3x increase in semiconductor research (from $1.5B to $5B/annually) and an initiative that attracts and develops the skilled technology workforce our future requires. An executive summary can be found here. »

CONIX researchers win Best Paper Award at IEEE ICNC 2019.

SRC PhD student Samer Hanna and Professor Danijela Cabric won the Best Paper Award at IEEE International Conference on Computing, Networking and Communication (ICNC), the premier conference in the computer and communications fields. Their paper presents a promising physical layer security approach for authenticating thousands of IoT devices based on their radio frequency (RF) fingerprints. Read more. »

DARPA announces its 2nd Annual ERI Summit

Registration is now open for DARPA's second annual Electronics Resurgence Initiative Summit taking place July 15–17, 2019, in Detroit. The three day event will bring the U.S. commercial and defense electronics industry together to explore the latest microelectronics R&D efforts as well as future investments in next-generation technologies. Event location, agenda, accommodations information, and other details can be found at www.eri-summit.com. Registration opened April 15 on the Summit website and closes June 24, or when the capacity of 900 attendees is reached. Advance registration is required.

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