JUMP ASCENT Center researchers develop novel computer learning method for faster AI Read more ».

SRC/EDS Student Showcase Poster Session
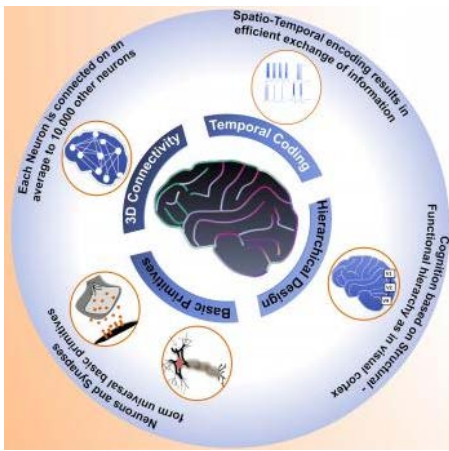
Are you or a colleague going to IEDM-65? Then, stop by the SRC/EDS Student Poster Session to engage with our 27 amazing student researchers and their brilliant ideas. Plus, help us by voting for the best poster! Tuesday, December 10th, 2:00 – 4:00 pm PST in the Yosemite Ballroom. We look forward to seeing you there! »

JUMP PhD candidate, Yatin Manerkar, wins Princeton's Award for Excellence.

Yatin Manerkar, an ADA student studying *Hierarchical Verification of Memory Consistency Model Implementations* under the direction of Prof. Margaret Martonosi, was selected by Princeton's School of Engineering and Applied Science as a recipient for Princeton's annual Award for Excellence. It honors graduate students who perform "at the highest level as scholars and researchers" based on their body of work in courses, research, and teaching. Kudos Yatin and best of luck as you complete your thesis next spring! »

A Nature Perspective from C-BRIC: The Path Toward Brain-Like Computers.

Former SRC student, Priyadarshini Panda, now an assistant professor of electrical engineering at Yale, and her C-BRIC co-authors Kaushik Roy and Akhilesh Jaiswal of Purdue University, have just published a nice perspective that outlines the computer's long and ongoing road to achieving something akin to the thinking power of the human brain. While many of the ways that the brain works remain a mystery and there are no current silicon chips that can achieve brain efficiency, the authors illustrate "bio-plausible" ways that computing technologies might achieve brain-like abilities and efficiencies. The C-BRIC Center looks to take a balanced approach, researching both algorithms and hardware, to accomplish just that. Learn more here. »

Decadal Plan for Semiconductors

What trends, if left unchecked become problematic in 10 years for the semiconductor industry? SRC is hosting 5 workshops with participation from industry, academia and government on the topical areas of compute, analog, communications, memory and security to identify the troublesome trends and research vectors to eliminate the roadblocks. The results of the workshops will be summarized in a report named "Decadal Plan for Semiconductors". Join "The Case for a Decadal Plan for Semiconductors" eWorkshop on January 9, 2020 at

- 11:00AM EST (https://www.src.org/calendar/e006869/) or
- 8:00PM EST (https://www.src.org/calendar/e006870/)

where you will a hear more in depth talk about the work, including a summary of the first two workshops.

ASCENT student and IBM Intern wins IBM/EDS Best Poster Award.

IBM Research hosted their 3rd annual AI Compute Symposium, titled "From Emerging to Pervasive AI," at the IBM T.J. Watson THINKLab in Yorktown Heights, NY. At that event, Abhishek Khanna, a 3rd year PhD student in Suman Datta's research group at Notre Dame, received the best poster award for his poster entitled "Spatio-Temporal Pattern Learning and Classification using Coupled Oscillators." Khanna interned at IBM Research (Zurich) during the summer of 2019. »

Two Elected Fellows of the International Federation of Automatic Control

CONIX Faculty, Prof. Paulo Tabuada (UCLA) and Prof. Claire Tomlin (UC/Berkeley) were among twenty-five individuals elected and approved to receive the IFAC Fellow Award for the 2017-2020 period. The IFAC Fellow Award is given to persons who have made outstanding and extraordinary contributions in the field of interest of IFAC, in the role as an Engineer/Scientist, Technical Leader, or Educator. IFAC Fellows. »

SRC honors graduate student with 2019 Simon Karecki Award

PhD student, Kalyani Jog, University of Arizona wins the Simon Karecki Award for her significant contributions to research on environmental engineering relevant to the semiconductor industry. »