



Professors from Stanford, UC Berkeley to be honored for excellence in Semiconductor Research. [Read more](#) »

## SIA/SRC University Research Award

Design

Technology



Ali Niknejad

Ken Goodson



### JUMP Theme Leader recipient of 2021 James C. McGroddy Prize for New Materials

Congratulations to ASCENT Theme 1 leader Darrell G. Schlom (Cornell University) for winning the James C. McGroddy prize for New Materials "For pioneering the atomic-layer-by-layer synthesis of new metastable complex-oxide materials, and the discovery of resulting novel phenomena." This is the highest prize for materials discovery from the American Physical Society, recognizing and encouraging outstanding achievement in the science and application of new materials. It was established in 1997 and is endowed by IBM and the APS Division of Materials Physics, and awarded annually. [Read more](#) »

### INTERIM REPORT FOR THE Decadal Plan for Semiconductors

Webinar: Setting the 2030 Goals  
December 2, 2020  
11:00a – 12:30p EST

### Register now for new webinar - Decadal Plan for Semiconductors: Setting the 2030 Goals.

This December, SIA and the Semiconductor Research Corporation will release the full "[Decadal Plan for Semiconductors](#)," a report outlining chip research and funding priorities over the next decade that will help strengthen U.S. semiconductor technology and spur growth in emerging technologies such as artificial intelligence, quantum computing, advanced wireless communications. [Register now](#) »



## CBRIC researchers win best paper at IFIP/IEEE VLSI SoC 2020

Congratulations [Brian Crafton](#), [Sam Spetalnick](#), and Prof. Arijit Raychowdhury. Along with their collaborators, they won the Best Paper Award at the virtual VLSI SoC conference in October 2020 for *Breaking Barriers: Maximizing Array Utilization for Compute In-Memory Fabrics*. It presents a novel technique to partition the data to be stored in the memory, by intelligently profiling the application in advance. [Read more](#) »



## SRC honors graduate student with 2020 Simon Karecki Award

PhD student, Paige Jacob, Cornell University wins the Simon Karecki Award for her significant contributions to research on environmental engineering relevant to the semiconductor industry. This award is given annually in memory of Dr. Simon Karecki who was an SRC Fellow and student in our Engineering Research Center program. [Read more](#) »



## Bar-Cohen, distinguished university professor and thermal packaging pioneer, passes at 74

Avi served as the DARPA Program Manager for SRCs STARnet program from February 2014 to December 2015, at which time he returned to the University of Maryland to resume his pursuit of thermal science and technology research and practice for semiconductor components and systems. His dedication to the STARnet program brought a sharper focus to the semiconductor and computational needs of the defense community and helped lay the foundation for the transition to DARPA's ERI and SRCs JUMP. "Avi's scientific accomplishments are prodigious, but it is his commitment to helping others that will be his enduring legacy. He will be missed." [Read more](#) »



## SRC PI appointed March Endowed Professor at Clarkson University

Selma Mededovic Thagard, Clarkson University, has been named the 2020 March Endowed Professor. Recognizing teaching excellence and high-quality research, the March Professor is awarded to faculty who will 'add luster' to Clarkson's research reputation and improve the stature of Clarkson's reputation for innovation. Thagard's significant body of work extends to the founding of a start-up company - DMax Plasma. Combining academic research, exemplary teaching, and an innovative mindset is precisely what the work that the March Professor is designed to support. [Read more](#) »



## CONIX student wins first place at CSAW Applied Research Competition

The CSAW'20 Applied Research Competition Best Paper Award assesses the top scholarly security research from the previous year. The focus of this competition is on research that has a practical impact. PhD student [Shravan Narayan](#), UC San Diego, wins first place for RLBox work, a framework that minimizes the burden of converting Firefox to security and efficiently use untrusted code. To enable this, RLBox employs static information flow enforcement, and lightweight dynamic checks, expressed directly in the C++ type system. RLBox, using a WebAssembly sandbox, has been integrated into Mozilla's production Firefox to sandbox the libGraphite font shaping library. [Read more](#) »

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