

Dr. Ali Sheikholeslami's Circuit Intuitions Lecture at the University of Calgary

On 19 November 2019, the Southern Alberta Section of the IEEE Solid-State Circuits Society (SSCS) and IEEE Circuits and Systems Society (CASS) Joint Technical Chapter welcomed Distinguished Lecturer Dr. Ali Sheikholeslami to the University of Calgary, Alberta, Canada. Dr. Sheikholeslami is a professor in the University of Toronto's Department of Electrical and Computer Engineering. He has coauthored more than 70 publications and 10 patents. In addition to his research achievements, he is the SSCS vice president

of education and has received many teaching awards.

During his talk, "Circuit Intuitions," Sheikholeslami discussed, in detail, his *IEEE Solid-State Circuits Magazine* "Circuit Intuitions" column series, focusing on "Looking Into a Node" [1]. He provided attendees with a detailed explanation of the effective use of Thevenin and Norton equivalent circuits to gain intuition into the operation of transistor-level analog circuits. The talk provided undergraduate and early graduate students with tools to begin their analog-circuit education by developing an intimate understanding of how circuits

behave, leading to future innovation in circuit design. The lecture was attended by 94 undergraduate students, seven graduate students, and three faculty members.

—Alexander Sheldon
Vice chair, SSCS/CASS
Southern Alberta

—Leonid Belostotski
Chair, SSCS/CASS
Southern Alberta

Reference

- [1] A. Sheikholeslami, "Looking into a node," *IEEE Solid-State Circuits Mag.*, vol. 6, no. 2, pp. 8–10, 2014. doi: 10.1109/MSSC.2014.2315062.

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Dr. Ali Sheikholeslami (kneeling center) poses with lecture attendees.

IEEE CAS-EDS-SSCS Wuhan Joint Chapter and Wuhan International Institute of Microelectronics Organize a Technical Talk by Dr. Patrick Chiang

The IEEE Circuits and Systems Society (CAS), IEEE Electron Devices Society (EDS), and IEEE Solid-State Circuits Society (SSCS) Wuhan Joint Chapter and the Wuhan International Institute of Microelectronics, Huazhong University of Science and Technology

(HUST), jointly organized a technical talk by Dr. Patrick Chiang, Fudan University, on 13 November 2019, at HUST, Wuhan, China. The event attracted 30 attendees from HUST, the Institute of Semiconductors at the Chinese Academy of Science, and Hubei University of Technology.

Dr. Chiang's lecture was "Beyond Moore's (O2E) Optics-of-Everything."

Systems that combine electronics and photonics are growing rapidly in this "more-than-Moore" era. Next-generation computing systems are fundamentally limited by power consumption, from extreme-scale data centers to energy-scavenging biomedical sensors. Meanwhile, cloud-computing applications such as big data, the Internet of Things,

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