Guang Zhu presented his paper on fully adaptive continuous-time linear equalizer for PAM-4 signaling based on a statistical algorithm at the 2017 EDSSC Conference.

linear equalizer for PAM-4 signaling based on a statistical algorithm.

The SSCS HKSC has been working tirelessly to create a gateway for students to connect with leading industry and academic pioneers. These opportunities help prepare students for a successful professional career by enabling them to enhance their knowledge in a specialized area while developing leadership and interpersonal skills.

All the SSCS HKSC Student Chapter activities are reported and updated regularly on the Chapter Facebook page at https://www.facebook.com/IEEE-SSCS-Hong-Kong-Student-Chapter-1517879568527002/.

—Khawaja Qasim Maqbool
Chair, IEEE SSCS
Hong Kong Student Chapter

—C. Patrick Yue
Advisor, IEEE SSCS
Hong Kong Student Chapter

SSCS DL Naveen Verma Visits Institut Teknologi Bandung

In collaboration with the School of Electrical Engineering and Informatics Institut Teknologi Bandung (STEI ITB), the IEEE Solid-State Circuits Society (SSCS) Indonesia Chapter held a 2017 IEEE SSCS lecture series on 8–10 August 2017. The lecture was given by Distinguished Lecturer (DL) Dr. Naveen Verma, an associate professor at the Department of Electrical Engineering, Princeton University, United States. Verma is an expert on large-area electronics systems, ultra-low-power systems, and platform components for low-power applications.

Dr. Verma gave the talk “Sensing on a Very Large Scale: Large-Area-Electronics Systems for Extensive Interfacing with the Physical World.”

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processing and communication in advanced and emerging technologies. At STEI ITB, Verma delivered a lecture, “Sensing on a Very Large Scale: Large-Area-Electronics Systems for Extensive Interfacing with the Physical World.” The talk was attended by approximately 50 faculty members, staff, and students. It was moderated by Dr. F. Ihsan Hariadi, head of Electronic Device Manufacturing Process Laboratory. The event began with an introduction to SSCS given by Suksmadhira Harimurti.

In the beginning of the lecture, Verma explained that the future of the Internet of Things (IoT) can change the way data is exchanged and transmitted. In the IoT era, any electronic devices and objects inside our homes are able to possibly communicate with each other and give us direct information. Hence, problems on how to manage such massive data emerge. Verma explained a novel method on how to implement large-area electronics for sensing multiple signals from the physical world and how to integrate the system with a machine-learning algorithm to reduce power consumption and learn the behavior of the signal.

Verma gave the audience some insight. “When we face a real problem, we will face a multidimensional problem,” he said. “Not a specific problem that we learn and majoring at school.” Audience members enthusiastically listened to the lecture, which was followed by an interactive question and answer session. M. Iqbal Arsyad closed the lecture by presenting Dr. Verma with a gift.

—Suksmadhira Harimurti

SSCS Macau Chapter Holds Lectures by Prof. Robert Bogdan Staszewski

The IEEE Solid-State Circuits Society (SSCS) Macau Chapter organized two days of lectures given by Prof. Robert Bogdan Staszewski from University College Dublin, Ireland, on 27 July 2017. The lectures were held at the State-Key Laboratory of Analog and Mixed Signal VLSI at the University of Macau, China.

In his first lecture, “All-Digital Phase-Locked Loops (ADPLL),” he introduced the ADPLL techniques from system to circuit implementation and detailed these techniques as exemplified in several recent projects from his group, including a spur-free ADPLL for mobile phones, an all-digital polar transmitter using...