



Participants pose at the end of Prof. Mercier's DL presentation (Mercier appears in the top left image).

of existing wearable devices: limited available data and compatibility with the human body. He summarized some practical solutions to these issues and revealed that wearable devices can be developed through advanced sensors, efficient circuits, and new data-processing methods. Mercier also discussed emerging sensor technologies that can noninvasively monitor physiochemistry. At the end of the lecture, he introduced self-powered IC building blocks and architectures for wearable devices. The audience discussed more details with him after the seminar.

—Heng Huang, Jiaxin Lei, Yang Liu, and Milin Zhang

## Distinguished Lecturer Bernhard Wicht Gives Online Talk to Israel Chapter

On 7 May 2020, IEEE Solid-State Circuits Society (SSCS) Distinguished Lecturer Prof. Bernhard Wicht, Leibniz University Hannover, Germany, gave an online seminar, “Tiny and Efficient: Power Management as a Key Function in Microelectronic Systems,” for the SSCS Israel Chapter. Wicht’s wide experience with and knowledge of analog and power management IC design made for an informative talk.

Prof. Wicht explained why power management ICs are becoming increasingly important electronic solutions to make products more

compact, energy-efficient, and reliable in global growth areas such as renewable energy, autonomous vehicles, and biomedical applications. Future applications in the field of machine learning and artificial intelligence will be possible only with intelligent power management to supply complex processors and sensors. Wicht gave an overview of current and future challenges for power management at the system and circuit levels along with examples including topics such as automotive, wearables, off-grid power supplies, and gallium nitride.

The online lecture was hosted and coorganized by the Advanced Circuits Research Center (ACRC) at

Technion–Israel Institute of Technology, Haifa. More than 150 participants from the semiconductor industry and academia attended this fascinating and inspiring talk, which concluded with a lively discussion.

—Solon Spiegel,  
IEEE SSCS Israel Chapter

—Shahar Kvatinsky,  
associate professor,  
Technion–Israel Institute  
of Technology

—Masha Schuster,  
ACRC associate director,  
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of Technology

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