

Short Course Schedule — May 28, 2023

09:10-10:00	Silicon's Last Battle in Power Devices: The Superjunctions and IGBTs	Prof. Florin UDREA <i>University of Cambridge</i>
10:00-10:50	Smart Gate Drivers for GaN and SiC Power Transistors	Prof. Wai Tung NG <i>University of Toronto</i>
10:50-11:10	Coffee Break	
11:10-12:00	Advances in SiC Super Junction MOSFET	Dr. Shinsuke HARADA <i>National Institute of Advanced Industrial Science and Technology</i>
12:00-13:30	Lunch Break	
13:30-14:20	Test-to-Fail Methodology for Accurate Reliability and Lifetime Evaluation of GaN Power HEMT	Dr. Shengke ZHANG <i>Efficient Power Conversion Corporation</i>
14:20-15:10	Gallium Oxide Vertical Power Devices: Technology, Design and Applications	Prof. Shibing LONG <i>University of Science and Technology of China</i>
15:10-15:30	Coffee Break	
15:30-16:20	Design and Technology of Automotive Power Modules — An Introduction	Dr. Stefan OEHLING <i>Semikron Elektronik</i>
16:20-17:10	The System Application Benefits of GaN Versus Si and SiC and The Potential of GaN Bi-directional Switch	Dr. Kenneth K. LEONG <i>Infineon</i>

**Schedule is subject to change.

Updated: 12 April 2023