

## The 1<sup>st</sup> Workshop

University of Tsukuba Forum on Power Electronics Tomorrow (UTOP)

“Aiming for SiC Power Devices with Greater Availability”

**Time & Date:** 1:00-5:35pm, June 27, 2014

**Venue:** Bunkyo School Building, Tokyo Campus, University of Tsukuba

**Program:**

Mediator: Yuji Yano, Associate Professor, Institute of Applied Physics, University of Tsukuba

13:00 Opening Remarks

Yasuo Miake, Vice President, University of Tsukuba

13:10 “Activities at Power Electronics Laboratory, University of Tsukuba”

Hiroshi Tadano, Professor, Institute of Applied Physics, University of Tsukuba  
Graduate School of Pure and Applied Sciences, University of Tsukuba

13:30 “Looking toward a Bright Future for the Next Generation Semiconductor Power Devices”

Ryuichi Shimada, Institute Professor, University of Tsukuba

13:50 “Technical Trends of Recent Power Devices”

Noriyuki Iwamuro, Professor, Institute of Applied Physics, University of Tsukuba

14:10 “Mounting Technologies Suitable for the Next Generation Semiconductor Power Devices”

Hiroshi Yamaguchi, Advanced Power Electronics Research Center,  
National Institute of Advanced Industrial Science and Technology (AIST)

15:00 - 15:15 Coffee break

Mediator: Takonori Isobe, Associate Professor, Institute of Applied Physics, University of Tsukuba

15:15 “Challenges in Application of SiC Devices and Approaches by Toshiba”

Hikomichi Tai, Power and Industrial Systems R&D Center,  
Toshiba Corporation Power Systems Co.

16:05 “Development of SiC Devices and Ultra-compact SiC Inverter Modules”

Takashi Nakamura, Power Electronics R&D Div.,  
Research and Development Headquarters, Rohm Co. Ltd.

17:05 Panel Discussion “Aiming for SiC Power Devices with Greater Availability”

Mediator: Prof. Hiroshi Tadano, Institute of Applied Physics, University of Tsukuba

Panelists: Dr. Hiroshi Yamaguchi, AIST

Mr. Hiromichi Tai, Toshiba Power Systems Co.

Dr. Takashi Nakamura, Rohm Co. Ltd.

17:35 Closing Address