

The 2nd Workshop
University of Tsukuba Forum on Power Electronics Tomorrow (UTOP)
“SiC Power Devices for Extended Applications”

Time & Date: 1:30-5:35pm, December 5, 2014

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

Program:

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

13:30 Opening Remarks

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

13:35 “How far we know about point-defect in 4H-SiC?” – Crystal and MOS interface –

Takahide Umeda, Associate Professor, Institute of Applied Physics, University of Tsukuba

14:25 “NEDO’s program for achieving energy conserving society”

Koki Yamamoto, Project Manager, New Energy and Industrial Technology Development Organization (NEDO)

14:55 - 15:10 Coffee break

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

15:10 “Power electronics technologies for hybrid vehicles and application of SiC ”

Kimimori Hamada, Director, Electronics Development, Toyota Motor Corp.

16:00 “Power electronics in power systems and local power sources”

Noriko Kawakami, Chief Engineer, Toshiba Mitsubishi-Electric Industrial Systems Corp. (TMEIC)

17:00 Panel Discussion “Aiming for SiC Power Devices with Greater Availability”

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

Panelists: Prof. Takahide Umeda, University of Tsukuba

Mr. Koki Yamamoto, NEDO

Mr. Kimimori Hamada, Toyota Motor Corp.

Dr. T Noriko Kawakami, TMEIC

17:35 Closing Address