



The 4th Workshop

University of Tsukuba Forum on Power Electronics Tomorrow (UTOP)

“GaN Power Devices, their Packaging Technology and Applications”



Time & Date: 1:20-5:40pm, February 5, 2016

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

Program:

Mediator: Dai Okamoto, Assistant Professor, Institute of Applied Physics, University of Tsukuba

13:20 “Recent topics at Power Electronics Laboratory, Tsukuba University”

Prof. Noriyuki Iwamoto, Institute of Applied Physics, University of Tsukuba

13:30 “Insulation Property Control of SiO₂ film produced by SiC oxidation”

Kikuo Yamabe, Professor & Takashi Hasunuma, Associated Professor, Institute of Applied Physics, University of Tsukuba

14:20 “Utilization of GaN Power Devices and their Application to PV Power Control System (PCS)”

Kozo Ide, Electrical Development Dep. Environment & Energy Business Drives Div., Yaskawa Electric Corporation

15:10 - 15:25 Coffee break

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

15:25 “Mounting Technology for GaN HEMT Power Module ”

Ken Shono, Toshihide Yoshikawa & Tsutomu Hosoda, Transform Japan Inc.

16:15 “GaN Power Device (GIT) Technology”

Yasuhiro Uemoto, Technology Development Center, Semiconductor Business Unit, Panasonic Semiconductor Solutions Co., Ltd.

17:00 Panel Discussion “Aiming for GaN power devices with greater availability”

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

17:40 Closing Address