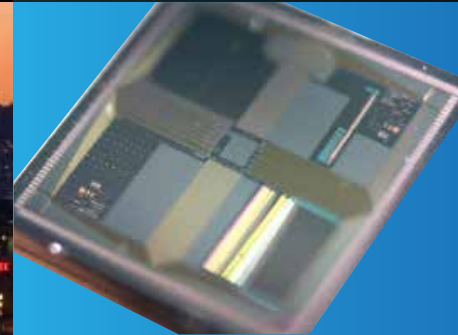


2014 Power Devices Special Focus Session

at the 2014 IEEE International Electron Devices Meeting

Hilton San Francisco
Union Square
December 15-17, 2014



Monday, December 15 - 1:30 - 4:30

Session 2: Power and Compound Semiconductor Devices

Continental Ballroom 5

- **2.1 “Social Impact of Power Semiconductor Devices”**
B.J. Baliga, North Carolina State University
- **2.2 “SiC Power Devices for HEV/EV & a Novel SiC Vertical JFET”**
T. Ishikawa, et. al., Toyota Central R&D Labs
- **2.3 “Application Specific Trade-offs for WBG SiC, GaN & High End Si Power Switch Technologies”**
R. Rupp, et. al., Infineon Technologies AG
- **2.4 “High Voltage Silicon Based Devices for Energy Efficient Power Distribution & Consumption”**
A. Kopta, ABB Switzerland Ltd, Semiconductors
- **2.5 “Progress in Ultrahigh-Voltage SiC Devices for Future Power Infrastructure”**
T. Kimoto, et. al., Kyoto University
- **2.6 “600 V JEDEC-Qualified Highly Reliable GaN HEMTs on Si Substrates”**
T. Kikkawa, et. al., Transphorm Japan
- **2.7 “Power Devices on Bulk Gallium Nitride Substrates: An Overview of ARPA-E’s SWITCHES Program”**
T. Heidel, et. al., Advanced Research Projects Agency - Energy

Technical Program

IEDM’s technical program consists of more than 200 papers from the world’s leading experts from industry, government & academia, covering the following topics:

- Circuit & Process Interaction
- Non-Boolean Computing
- Bio-Sensors & BioMEMS
- 2D Electronics
- Energy Harvesting
- Spintronics
- Multiferroics
- Power Devices
- Sensors
- Magnetism

IEDM 2014 Highlights

Plenary Presentations

“SiC MOSFET Development for Industrial Markets”

“Are 3D Atomic Printers Around the Corner? “

“Research into ADAS with Driving Intelligence for Future Innovation”

Evening Panel Discussion

“60 Years of IEDM & Counting”

IEDM Luncheon Speaker

T.J. Rodgers
Founder/President/CEO,
Cypress Semiconductor

Entrepreneurs Luncheon Speaker

Kathryn Kronen
Former President/CEO,
Jasper Design Automation



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