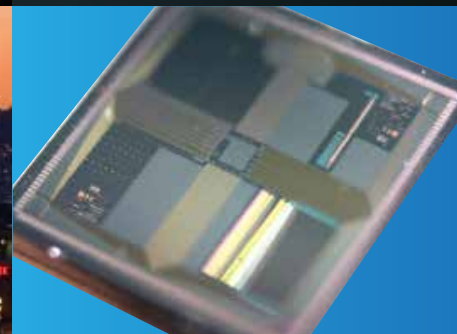


2014 Sensors, MEMS & BioMEMS Special Focus Session

at the 2014 IEEE International Electron Devices Meeting

Hilton San Francisco
Union Square
December 15-17, 2014



Wednesday, December 17 - 9:00 - 12:00

Session 31: Devices for Biological Science, Medical Applications and Health Monitoring

Imperial Ballroom B

- **31.1 “Bio-MEMS Towards Single-Molecular Characterization”**
H. Fujita, The University of Tokyo
- **31.2 “An AC & Phase Nanowire Sensing for Site-Binding Detection”**
M. Tartagni, et.al., University of Bologna
- **31.3 “MEMS for Cell Mechanobiology”**
B. Pruitt, Stanford University
- **31.4 “Organic Electrochemical Transistors for BioMEMS Applications”**
G. Malliaras, Ecole Nationale Supérieure des Mines
- **31.5 “Microfabricated Smart Lab-on-a-Tube (LOT) Probe for Monitoring Traumatic Brain Injury (TBI)”**
C. Li, et.al., University of Cincinnati
- **31.6 “Small Soft Safe Micromachines for Biomedical Applications”**
S. Konishi, Ritsumeikan University
- **31.7 “Biointegrated Systems with Unusual Stretchable Materials and Designs for Sensing and Therapy”**
R. Ghaffari, et.al., MC10 Inc.

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
- Magnetics

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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