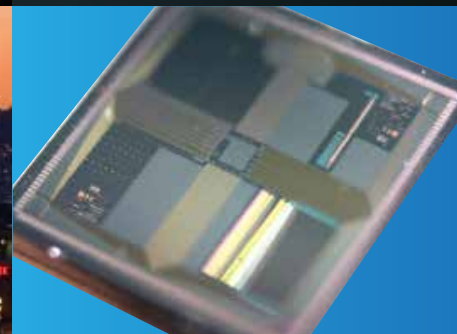


2014 Display & Imaging Systems Special Focus Session

at the 2014 IEEE International Electron Devices Meeting

Hilton San Francisco
Union Square
December 15-17, 2014



Tuesday, December 16 - 9:00 - 12:00

Session 10: Novel Imagers and Specialty Imaging Applications

Continental Ballroom 1-3

- **10.1 “Jot Devices and the Quanta Image Sensor”**
J. Ma, et. al., Thayer School of Engineering at Dartmouth
- **10.2 “SPAD Based Image Sensors”**
E. Charbon, Senior Member IEEE
- **10.3 “Toward 1Gfps: Evolution of Ultra-high-speed Image Sensors: ISIS, BSI, Multi-Collection Gates, and 3D-stacking”**
T.G. Etoh, et. al., Ritsumeikan University
- **10.4 “Imaging with Organic and Hybrid Photodetectors”**
S. Tedde, et. al., Siemens AG
- **10.5 “A CMOS-compatible, Integrated Approach to Hyper- and Multispectral Imaging”**
A. Lambrechts, et. al., imec
- **10.6 “Image Sensors for High-throughput, Massively-parallel DNA Sequencing: Requirements and Roadmap”**
A. Grot, Pacific Biosciences
- **10.7 “High Performance Silicon Imaging Arrays for Cosmology, Planetary Sciences, & Other Applications”**
Shouleh Nikzad, et. al., Jet Propulsion Laboratory
- **10.8 “Detecting Elementary Particles Using Hybrid Pixel Detectors at the LHC and Beyond”**
M. Campbell, CERN

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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