

SISPAD2017 Workshop2

“Technologies for Sensor Devices”

Organizers:

Shigeyasu Uno (Ritsumeikan University)

Kazuya Matsuzawa (Keio University)

Date: September 6 (Wednesday)

Time: 9:15-16:35

Program:

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| 9:15-9:20 | Welcome remark |
| 9:20-10:00 | Prof. Toshiya Sakata (U. of Tokyo), “Solution-gate semiconductor-based biosensor” |
| 10:00-10:40 | Prof. Hiroshi Mizuta (JAIST), “Graphene Nano-electro-mechanical (GNEM) devices for extreme sensing applications” |
| 10:40-11:10 | Break |
| 11:10-11:50 | Prof. Naoto Matsuo (U. of Hyogo), “Novel DNA/Si-MOSFET and Its Application” |
| 11:50-12:30 | Prof. Kazuaki Sawada (Toyohashi U. of Technology), “CMOS Chemical Image Sensor and its application” |
| 12:30-14:00 | Lunch |
| 14:00-14:40 | Dr. Kazuya Matsuzawa (Keio U.), “TCAD simulation of biochemical sensors”. |
| 14:40-15:20 | Prof. Kohji Mitsubayashi (Tokyo Medical and Dental U.), “Non-Invasive Biosensing for Dairy Medicine: Cavitas Sensors for Tear & Saliva and Bio-sniffer Devices for Volatile chemicals” |
| 15:20-15:50 | Break |
| 15:50-16:30 | Dr. Anh Quang NGUYEN (Ritsumeikan U.), “Crosstalk analysis of backside-illuminated multi-collection-gate ultra-high-speed image sensor” |
| 16:30-16:35 | Closing remark |