

Symposia (we have a reception together) information:

The 18th SANKEN International Symposium, The 13th SANKEN Nanotechnology Symposium, 2nd KANSAI Nanoscience and Nanotechnology International Symposium, 10th Handai Nanoscience and Nanotechnology International Symposium

URL: <https://www.netroom.sanken.osaka-u.ac.jp/sympo18th/>

Joint Reception will be held in the evening of December 11(Thursday)18:30 at Room3.

Program on December 12(Friday), Room 1-2.



2nd core to core program conference

| Time line | Presentation title | Speaker | | Affiliation |
|---------------------------|---|--------------------|----------------|--------------|
| Dec. 12(Fri) 9:30-9:40 | Welcome word | Kazuhiko MATSUMOTO | Professor | Osaka Univ. |
| | Welcome word | Jo De Boeck | Prof. CTO& SVP | imec |
| 9:40 -10:20 | Presentations am-1 : bio electronics | | | |
| 20min | Genetically-encoded chemiluminescent sensor for membrane voltage to monitor neuronal activity | Takeharu NAGAI | Professor | Osaka Univ. |
| 20min | Single-Molecule DNA, RNA, and Peptide Sequencing Technologies | Masateru TANIGUCHI | Professor | Osaka Univ. |
| 10:20-10:40 | Networking coffee break | | | |
| 10:40-12:00 | Presentations am-2 : | | | |
| 30min | Application and characterization of metal coated polymer particles for conductive adhesive | Jianying He | Professor | NTNU |
| 30min | Biomimetic materials for biosensing and drug delivery: a biophysicist view. | Sonia Contera | Professor | Univ. Oxford |
| 20min | Genome-wide Association Study using Machine Learning | Takashi Washio | Professor | Osaka Univ. |
| 12:00-13:00 | Lunch time | | | |
| 13:00-14:20 | Presentations pm : organic electronics | | | |
| 20min | Organic photovoltaic property of new C70 fullerene derivatives | Makoto KARAKAWA | Professor | Osaka Univ. |
| 30min | Operation of organic light-emitting diodes | Paul BLOM | Professor | Max Planck |
| 30min | Organic photovoltaics: recent progress at imec | Tom Aernouts | Dr. | imec |
| 14:20 | Closing remarks | | | |
| 14:25 | Adjourn | | | |



3rd imec Handai International Symposium 2nd Symposium of SANKEN Brain Circulation Program

| Time line | Presentation title | Speaker | | Affiliation |
|-------------|---|---------------------|-----------|-------------|
| 14:45 | Welcome word | Katsuaki SUGANUMA | Professor | Osaka Univ. |
| 14:50-16:10 | Presentations pm1 : Flexible, Organic | | | |
| 30min | Ultraflexible Integrated Circuits for Imperceptible Bio-sensors | Tsuyoshi SEKITANI | Professor | Osaka Univ. |
| 20min | Charge transport and structures in organic semiconductor crystals | Junichi TAKEYA | Professor | Univ. Tokyo |
| 30min | 2.5D free-form circuits using stretchable electrical interconnections and embedding in elastic and thermoplastic polymers | Jan VANFLETEREN | Professor | imec |
| 16:10-16:30 | Networking coffee | | | |
| 16:30-17:50 | Presentations pm2 : Bio electronics, life science | | | |
| 30min | Wearable sensor based data analytics: the key to understand and influence human behavior | Chris Van Hoof | Dr. | imec |
| 20min | Toward new FET devices detecting DNA | Kazuhiko NAKATANI | Professor | Osaka Univ. |
| 30min | System Architect Wearable Healthcare Wearable sensors to connect heart and brains | Bernard Grundlehner | Dr. | imec |
| 17:50-17:55 | Closing remarks | | | |
| 17:55 | Adjourn | | | |

- Knowledge Capital Congrès Convention Center, Osaka Japan <http://www.congre-cc.jp/en/>
- Hotel recommendation : Hotel Granvia Osaka: <http://www.granvia-osaka.jp/>,
Hotel new Hankyu Osaka: <http://www.hankyu-hotel.com/hotel/osakashh/>
Hilton Osaka: <http://www.hiltonhotels.jp/hotel/kansai/hilton-osaka>
- Local office: jpsconf@sanken.osaka-u.ac.jp
Professors M.Ogura&Y.Hirotsu, and secretary Ms A.Enomoto