

SANKEN Core2Core satellite symposium

Printable, Flexible and Wearable Electronic Materials and Mechanics

Undervisningslab, MTI-building 1-132, Richard Birkelands Vei 1A
Gløshaugen Campus, Norwegian University of Science and Technology (NTNU)

The 1st of July, 2015, Trondheim, Norway

Flexible display is a hot topic among scientists and engineers in the information display industry. The unique ability of flexible electronics to be bendable and rolled up into a scroll with memory function gives them a major advantage over conventional rigid devices, particularly in medicine and consumer electronics. Printed thin-film transistor is a basic element for ultra-low cost electronics and it can be put on any kind of substrate, such as display, RFID, photo-sensor, biosensor, flexible circuits, and so on.

The purpose of the symposium is to present the state-of-the-art of the characterization, modification and modeling of the printable, flexible and wearable electronic materials and their mechanical properties required for future wearable devices to improve the understanding of such materials towards to the industrial and commercialization.

The symposium is associated with Japan Society for the Promotion of Science (JSPS) Core-to-Core Program “International Networking for Sensing Device Development for Healthier, Safer and Securer Society (SANKEN)”; and sponsored by the NTNU Likestilling Startpakker and the NTNU Stjerneprogrammet.

We look forward to welcoming you in Trondheim!

Sincerely,

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PROGRAM

Wednesday, July 01, 2015

13:15	Welcome — <i>Dr. Jianying He</i>
13:20	Opening Remarks — <i>Prof. Mototsugu Ogura</i>
Chairman <i>Prof. Helge Kristiansen</i>	
13:30	<i>Prof. Yoshio Aso, Osaka University, Japan</i> Development of Donor-Acceptor Type Semiconducting Polymers for Bulk-Heterojunction Organic Photovoltaics
14:05	<i>Dr. David Whalley, Loughborough University, UK</i> Particle Based Interconnects for Fine Pitch and Flexible Electronics
14:40	Coffee Break and photo in front of the building
Chairman <i>Prof. Zhiliang Zhang</i>	
15:10	<i>Dr. Johan De Baets, IMEC, Belgium</i> e-Textile : a New Frontier for Electronic Circuits
15:45	<i>Dr. Shijo Nagao, Osaka University, Japan</i> Nano Metal Materials for Ptintable Electronics
16:20	<i>PhD candidate Sigurd Pettersen, NTNU, Norway</i> Thermal and Electrical Properties of Novel ICA with Silver Coated Polymer Particles – A New Conduction Mechanism
16:55	Concluding remark — <i>Prof. Kazuhiko Matsumoto</i>