



Ministry of Science and ICT



1st Korea-Nordic Joint Symposium

Date : 8 - 9 April 2024

Venue : House of Printed Electronics (HOPE) Källvindsgatan 5, 60240 Norrköping

Topic : Next-generation electronic and optoelectronic
devices based on perovskite and organics

Participants

Takhee Lee(SNU)

Feng Gao(LIU)

Simone Fabiano(LIU)

Keehoon Kang(SNU)

Tae-Woo Lee(SNU)

Bo Ram Lee(SKKU)

Myung-Han Yoon(GIST)

Nara Kim(LIU)

Magnus Berggren(LIU)

Christian Müller(Chalmers)

Klas Tybrandt(LIU)

Mats Fahlman(LIU)

Magnus Johnson(LIU)

Reverant Crispin(LIU)

Igor Zozoulenko(LIU)

Dan Zhao(LIU)

Eleni Stavriiidou(LIU)

Time	Apr 8	Time	Apr 9
		09:00-10:30	Session 3
		11:00-12:00	Session 4
11:30-13:00	Lunch	12:30-13:30	Lunch
13:00-15:30	Session 1	13:30-15:00	Lab Tour 1 (Campus Norrköping)
15:30-18:00	Session 2	15:30-17:00	Lab Tour 2 (Campus Valla)
18:00	Dinner	17:00	Dinner

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Day 1 (April 8th)

Session: Organic Electronics

- 13:15 **Magnus Berggren**, Linköping University
In-vivo polymerized organic bioelectronics
- 13:40 **Takhee Lee**, Seoul National University
Photo-response characteristics of molecular junctions
- 14:05 **Simone Fabiano**, Linköping University
Organic electrochemical neurons and synapses for brain-inspired electronics
- 14:30 **Christian Müller**, Chalmers
Conducting yarns for heat harvesting thermoelectric textiles
- 14:55 **Keehoon Kang**, Seoul National University
Overcoming doping challenges in emerging semiconductors

Session: Optoelectronics

- 15:45 **Mats Fahlman**, Linköping University
Interface energetics and its effect on device properties
- 16:10 **Tae-Woo Lee**, Seoul National University
Optoelectronic characteristics of organic memories with solution-processed floating-gate layers
- 16:35 **Feng Gao**, Linköping University
Perovskite LEDs for multifunctional displays
- 17:00 **Magnus Jonsson**, Linköping University
Dynamic control of light with electroactive polymers
- 17:25 **Bo Ram Lee**, Sungkyunkwan University
Passivation strategies for mitigating defect challenges in halide perovskite light-emitting diodes

Day 2 (April 9th)

Session: Organic Energy Materials

- 09:00 **Igor Zozoulenko**, Linköping University
Ion diffusion and refined morphological model of PEDOT:PSS
- 09:25 **Reverant Crispin**, Linköping University

Towards printed organic batteries

09:50 **Dan Zhao**, Linköping University
Recent development of ionic thermoelectrics

10:15 **Nara Kim**, Linköping University
Elastic conducting polymer composites for wearable energy devices

Session: Organic Mixed Conductors/ Bioelectronics

11:05 **Myung-Han Yoon**, Gwangju Institute of Science and Technology
Peculiar transient behaviors of organic electrochemical transistors governed by ion injection directionality

11:30 **Eleni Stavrinidou**, Linköping University
Plant Bioelectronics

11:55 **Klas Tybrandt**, Linköping University
Soft and stretchable neural interfaces