



Ministry of Science and ICT

28th LINC Workshop

Leaders Workshop for Research and Innovation Collaboration

2026 Korea-Nordic Symposium

Organic/Perovskite Electronics and Artificial Nerves

Date 29-30 August, 2026

Venue Onsager Meeting Room (D3-114),
Natural Science Building, NTNU
(Høgskoleringen 5, 7034 Trondheim)



KNTEC

Program Overview

August 29 (Saturday)	August 30 (Sunday)
Registration and opening remark (09:00~10:00) Session 1. Bioelectronics (I) (10:00~11:40) Talk 1 (10:00~10:25) Xenofon Strakosas Talk 2 (10:25~10:50) Donghee Son Talk 3 (10:50~11:15) Seung-Kyun Kang Talk 4 (11:15~11:40) Yeongjun Lee Lunch time (11:40~13:00) Session 2. Bioelectronics (II) (13:00~14:15) Talk 5 (13:00~13:25) Jeong-Yun Sun Talk 6 (13:25~13:50) Max Hamed Talk 7 (13:50~14:15) Jihye Kim Break time (14:15~14:35) Session 3. Photonics & Optoelectronics (14:35~15:50) Talk 8 (14:35~15:00) John de Mello Talk 9 (15:00~15:25) Jovana Milić Talk 10 (15:25~15:50) Byungha Shin Break time (15:50~16:10) Session 4. Energy & Environmental Devices (16:10~17:25) Talk 11 (16:10~16:35) Ronald Österbacka Talk 12 (16:35~17:00) Bård Helge Hoff Talk 13 (17:00~17:25) Solon Economopoulos Dinner time (17:25~) To Rom og Kjøkken (Carl Johans gate 5, 7010 Trondheim, Norway)	Session 5. Organic & Neuromorphic Electronics (I) (09:00~10:40) Talk 14 (09:00~09:25) Igor Zozoulenko Talk 15 (09:25~09:50) Tae-Woo Lee Talk 16 (09:50~10:15) Christian Müller Talk 17 (10:15~10:40) Jung Ah Lim Break time (10:40~11:00) Session 6. Organic & Neuromorphic Electronics (II) (11:00~12:40) Talk 18 (11:00~11:25) Nae-Eung Lee Talk 19 (11:25~11:50) Deyu Tu Talk 20 (11:50~12:15) Joon Hak Oh Talk 21 (12:15~12:40) Eleni Stavrinidou Closing remark (12:40~12:50) Lunch time (12:50~14:30) Conclusion & Discussion (and possibly an excursion) (14:30~18:00) Dinner time (18:00~) NØR Trondheim (Clarion Hotel® Trondheim Brattørkaia 1, 7010 Trondheim)

Program

Opening Remarks (09:50-10:00)

Prof. Igor Zozoulenko,	Linköping University, Sweden
Prof. Tae-Woo Lee,	Seoul National University
Prof. John de Mello,	NTNU
Head Engineer Bicheng Gao,	NTNU

Session 1. Bioelectronics (I) (10:00-11:40)

Chair: Bicheng Gao

Talk 1. 10:00-10:25 Materials, methods, and applications of in vivo formed organic electroactive interfaces for bioelectronic applications

Xenofon Strakosas

Linköping University, Sweden

Talk 2. 10:25-10:50 Tissue-Adaptive Hydrogel–Elastomer Bilayer for Stable Bioelectronics

Donghee Son

Yonsei University, Korea

Talk 3. 10:50-11:15 Bioresorbable and Ionic Bioelectronics for Diagnosis, Therapy, and Neuromorphic Interfaces

Seung-Kyun Kang

Seoul National University, Korea

Talk 4. 11:15-11:40 Engineered Polymer Materials and Devices for Soft Neural Interfaces and Neuromorphic Bioelectronics

Yeongjun Lee

KAIST, Korea

Lunch time 11:40-13:00

Session 2. Bioelectronics (II) (13:00-14:15)

Chair: Yeongjun Lee

Talk 5. 13:00-13:25 Ion-to-Ion Amplification through an Open Junction Ionic Diode

Jeong-Yun Sun

Seoul National University, Korea

Talk 6. 13:25-13:50 2D iontronics for soft actuators and neuromorphic devices

Max Hamedi

KTH Royal Institute of Technology, Sweden

Talk 7. 13:50-14:15 Bioelectronics for Physiological Fluid Monitoring

Jihye Kim

Ajou University, Korea

Break time 14:15-14:35

Session 3. Photonics & Optoelectronics (14:35-15:50)

Chair: Ronald Österbacka

Talk 8. 14:35-15:00 Photonic devices based on high density metallic nanogaps

John de Mello

NTNU, Norway

Talk 9. 15:00-15:25 Supramolecular Control in Hybrid Materials: From Photovoltaics to Neuromorphics for Sustainable Energy Technologies

Jovana V. Milić

University of Turku, Finland

Talk 10. 15:25-15:50 Electronic Trap Detection with Carrier-Resolved Photo-Hall Effect

Byungha Shin

KAIST, Korea

Break time 15:50-16:10

Session 4. Energy & Environmental Devices (16:10-17:25)

Chair: John de Mello

Talk 11. 16:10-16:35 Understanding and engineering charge-transport layers for increased lifetimes in thin-film solar cells

Ronald Österbacka

Åbo Akademi University, Finland

Talk 12. 16:35-17:00 Concept studies for dye-sensitized solar cells: phenothiazines and triarylamines

Bård Helge Hoff

NTNU, Norway

Talk 13. 17:00-17:25 Mixed matrix membranes composed of graphene-based derivatives as additives in PVAm for CO₂ capture

Solon P. Economopoulos

NTNU, Norway

Dinner time (**To Rom og Kjøkken**, Address : Carl Johans gate 5, 7010 Trondheim, Norway)

Session 5. Organic & Neuromorphic Electronics (I) (09:00-10:40)

Chair: Donghee Son

Talk 14. 09:00-09:25 Evolution of the Density of States in Conducting Polymer Films upon Doping: A Hybrid Molecular Dynamics/Quantum Mechanical Study
Igor Zozoulenko

Linköping University, Sweden

Talk 15. 09:25-09:50 Organic Artificial Synapses and Nerves for Neuromorphic Computing, Prosthetics, Robotics and Displays

Tae-Woo Lee

Seoul National University, Korea

Talk 16. 09:50-10:15 Benign Synthesis and Structure-Property Relationships of Organic Mixed Conductors

Christian Müller

Chalmers University of Technology, Sweden

Talk 17. 10:15-10:40 Design Strategies for Organic Semiconductor Thin Films for Chiral Optoelectronics and Neuromorphic Devices

Jung Ah Lim

KIST, Korea

Break time 10:40-11:00

Session 6. Organic & Neuromorphic Electronics (II) (11:00-12:40)

Chair: Jung Ah Lim

Talk 18. 11:00-11:25 Bio-inspired Sensory Receptors for Artificial-Intelligence Perception
Nae-Eung Lee

Sungkyunkwan University, Korea

Talk 19. 11:25-11:50 Organic spiking circuits for bioinspired sensing and interfacing

Deyu Tu

Linköping University, Sweden

Talk 20. 11:50-12:15 Organic Neuromorphic Electronics for Multimodal Artificial Sensory Systems and Intelligent Biointerfaces

Joon Hak Oh

Seoul National University, Korea

Talk 21. 12:15-12:40 Plant bioelectronics

Eleni Stavrinidou

Linköping University, Sweden

Closing Remarks (12:40-12:50)

Prof. Igor Zozoulenko,	Linköping University, Sweden
Prof. Tae-Woo Lee,	Seoul National University
Prof. John de Mello,	NTNU
Head Engineer Bicheng Gao,	NTNU

Lunch time 12:50-14:30

Conclusion & Discussion (and possibly an excursion) 14:30-18:00

Dinner time (18:00~)

(NØR Trondheim, Address: Clarion Hotel® Trondheim, Brattørkaia 1, 7010 Trondheim)