Day 1 - Aug. 28 (Wed.)

Time	The Forum
08:30-09:00	Registration
09:00-09:20	**Opening** Prof. Wen-Chang Chen, President, National Taiwan University
09:20-10:20	**Plenary Session** (Chair: Prof. Shun-Wei Liu) **Recent Progress of Electronic Skins** Prof. Takao Someya
10:20-10:40	Coffee Break

Room	Room Socrates	The Forum	Room Plato	Room Alexander	Room Archimedes	Room Michelangelo
Chair	Prof. Min-Hsin Yeh	Prof. Ho-Hsiu Chou	Prof. Yu-Te Liao	Prof. Yi-Kuang Yen	Prof. Tzu-En Lin	**OE-A Session** Dr. Klaus Hecker
10:40-11:05	**A2: Flexible bioelectronics for brain-machine interfaces** Prof. Jia Liu	**B1: Nano-OLEDs** Prof. Chih-Jen Shih	**B2: Material, device and system for smart contact lens applications** Prof. Takeo Miyake	**A2: A Force Sensing Solution with Blind Test Validation** Prof. Cheng-Yao Lo	**C3: Towards 3D Structural Microelectronics using Additive Lithography** Dr. Hylke B. Akkerman	10:40-11:00 **Flexible and Printed Electronics: A Short Introduction and Outlook** Dr. Klaus Hecker, Managing Director
11:05-11:30	**A2: Thermosensitive Smart Robotic Self-Powered Sensor for Material Identification** Prof. Zong-Hong Lin	**B1: Linearly-Polarized Emission from Solution-Processable Halide Perovskite Nanoplatelets** Prof. Robert Hoye	**B2: 3D Computer Simulation on Nano-dendritic Growth for Enhanced Bio-sensing Performance** Prof. Li-Chia (Jerry) Tai	**B3: Stretchable Sensors and Displays using Polymer-based Electronic Materials** Prof. Naoji Matsuhisa	**C3: Direct-Printing More Components onto Large-Area and 3D Electronics** Prof. Jimin Kwon	11:00-11:20 **The scale-up of production methods for fuel cells from Lab2Fab - with a view to the impact of printed electronics on this scale-up** Thomas Kolbusch, Vice President
11:30-11:55	**A2: Fully Printed Soft Sensors Using Functional Conductive Composites** Dr. Yi-Fei Wang	**B1: Utilizing Organic Imagers to Detect Invisible Light from Facial Recognition Systems** Prof. Shun-Wei Liu	**B2: Biosensing Devices Utilizing Organic Electrochemical Transistors** Prof. Jiyoul Lee	**A2: Enhancing Safety and Independence: A Novel Approach to Floor-Based Fall Detection with Flexible Sensors for Older Adults** Dr. Amrit Pal Kaur	**C1: R2R printed flexible high-resolution carbon nanotube-based TFT active matrixes** Prof. Junfeng Sun	11:20-11:40 **Inkjet printing of organic Ag for conductive lines** Prof. Dr. Ulrich Moosheimer, Professor for Printing Technology 11:40-12:00 **Aerosol-jet printed MXene for flexible electronics** Ta-Ya Chu, Senior Research Officer
12:00-13:30	Lunch					

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Chair	Prof. Sheng-Sheng Yu	Prof. Po-Chun Chen	Prof. Ling-Yu Chang	Prof. Ying-Chih Liao	**Student Oral presentation** Prof. Chia-Chin Chen	**OE-A Session** Dr. Klaus Hecker
13:30-13:55	**A2: AI Sensors for Wearable and Flexible Applications** Prof. Chengkuo Lee	**B1: Retinal Prosthetic Devices Based on Multiple CMOS Chips for Large Number of Stimulus Electrodes** Prof. Jun Ohta	**B2: Tissue-Interfaced Organic Bioelectronics** Prof. Sungjune Jung	**C1: High-resolution printed electronics for miniaturized electronic devices** Prof. Yasuyuki Kusaka	13:30-13:45 **A2: Digital twin implementation in roll-to-roll gravure printing: overlay printing registration error prediction and optimization** Anood Shakeel 13:45-14:00 **A2: Multi-electrode Electroretinography Using Soft, Transparent, Micromesh Electrodes** Lunjie Hu	13:00-13:20 **Applications and technologies for connective packaging and product communication - from printed RFID antenna to printed electrochromic displays** Andrea Glawe, Regional Sales Director Asia 13:20-13:40 **Copper inks: Lower cost and sustainable alternative for printing PCBs, antennas and PV cells** Ofer Shochet, CEO
13:55-14:20	**A2: Multifunctional Flexible Sensors Based on Printable Composite Materials** Prof. Jie Zhang	**B1: Flexible and Printed Optical Metasurfaces for Display and Imaging Technology** Prof. Inki Kim	**B2: Micro-Robotic Arm Integrated Electrode and Microchannel for Bacteria Sensing and on-Demand Drug Delivery** Prof. Tzu-En Lin	**C1: Deep-Learning Based Inkjet Droplet Monitoring** Prof. Kyungtae Kang	14:00-14:15 **C1: Examination of Winding Model Considering Film Thickness Variation in Machine Direction** Satoshi Mino 14:15-14:30 **C1: The Impact of Uneven Fiber Density in Non-Woven Fabric on Wavy Wrinkling Formation** Yuki Hatanaka	13:40-14:00 **Game-changing AR/VR and e-privacy optical modules made on existing FPD lines** Chuck Milligan, CEO 14:00-14:20 **Product development and manufacturing of custom Medical electrodes** Mikko Paakkolanvaara, CTO
14:20-14:45	**A2: Developing multimodal, biocompatible, and antibacterial sensors with deep eutectic solvent-based ionic gels** Mr. Jia-Yu Yang	**B1: Systematic Investigation via Controlling the Energy Gap of Local and Charge-Transfer Triplet State for Enabling High Efficiency TADF Emitter** Dr. Rajamalli Pachai Gounder	**B2: Highly Catalytic Prussian Blue Analogues and Their Application on the 3D-Origami Paper-Based Sweat Sensors** Mr. Wei-Ting Chen	**C1: Non-Contact Vapor Deposition for Precision Deposition of Conjugated Polymer Thin Films and Nanowires** Dr. Lewis Cowen	14:30-14:40 Break Chair Prof. Wen-Ya Lee 14:40-14:55 **C1: Effects of Humidity Dependence on Winding Rolls Paper Core** Tohma Okada	14:20-14:40 **From OPV device Development to the Giga Fab: Revolutionizing Renewable Energy** Prof. Stergios Logothetidis, Founder & Director
14:45-15:00	**B2: ITO-Coated Vertical Nanowires-Based Biosensors for Highly Sensitive, Selective, and Rapid Detection of Gram-Negative Bacteria** Mr. Nitish Kumar	**B1: Tuning of color-stable hybrid white organic light emitting diodes based on anthracene derivative** Ms. Upasana Deori	**B2: Exploring the Influence of Traveling-wave Dielectrophoresis on Particle Dynamics in Dielectric Solutions** Mr. Ting Tsao	**C1: Fabrication of Pressure-Sensitive Nanosheets for the Using Spin-Coating and Roll-to-Roll Techniques** Mr. Wenjin Kang	14:55-15:10 **C3: Predictive Model Development for High-Performance Packaging Materials With Ultrahigh-solid-content** Wei-Cheng Chao	14:40-15:00 **Developing Flexible Integrated Circuits through Customized Organic TFTs** Steven Tsai, Head of Technology Transfer
15:00-15:30	Coffee Break					

Room	The Forum
15:30-16:30	**Plenary Session** **Printed Electronics – Enriching Society with Pragmatic Innovation** Dr. Alain Schumacher
16:30-17:30	**Plenary Session** (Chair: Prof. Chen-Tsyr Lo) **Development of All Printed Wallpaper OLED Displays** Prof. Junji Kido
Room	Room Locke
18:00-20:00	Refreshment and Poster Session