List of Regular Oral Session

September 17 (Wed)

Regular session 1 (Prof. Baba) Royal Blue Hall

13:00-14:30

13:00 R1-I1 (invited)

Laser-Induced Conductive Patterns on Flexible and Eco-Friendly Substrates

Ying-Chih Liao

Department of Chemical Engineering, National Taiwan University, Taiwan

13:30 R1-O1

Fabrication of Transparent Heater using Inkjet - Printed sacrificial layer

Kyung-Tae Kang[1], Dong Yeol Shin[1], Chaewon Kim[1], Yoon Jae Moon[1], Kunsik An[2]

[1]Autonomous Manufacturing & Process R&D Department,

Korea Institute of Industrial Technology (KITECH), Korea

[2]Department of Mechanical Engineering, Sejong University, Korea

13:45 R1-O2

Selective Semiconducting Carbon Nanotube Extraction with Cellulose Acetate

Kazuhiro Yoshida[1], Daichi Suzuki[2], Yoshiyuki Nonoguchi[1]

[1]Kyoto Institute of Technology, Japan

[2]Sensing Technology Research Institute, AIST, Japan

14:00 R1-O3

A Hybrid Inkjet Printhead with Piezo and EHD Technology for 200 cP Viscosity Ink Ejection

Eunyoung Lee, Inho Na, Choongmoo Shim, Jongphil Choi, Youngjoon Han, Youngjun Jo, Chaerim Park, Juhyeon Park, Ju Young Park, Yoomin Lee, Jaewoo Joung, Jaeyong Choi

ENJET Co.,LTD, Republic of Korea

14:15 R1-O4

Plasma-Enhanced g-C_3N_4/BC-Derived LIG Electrodes for AChE Assisted Pesticide Detection

Saranvignesh Alagarsamy, Ying-Chih Liao

Department of Chemical Engineering, National Taiwan University, Taiwan

September 18 (Wed)

Regular session 2 (Prof. Iino) Royal Blue Hall

11:00-12:15

11:00 R2-O1

Nanomaterials-Enabled Functional Wearables for Sustainable and Intelligent Healthcare

Po Kang Yang

Department of Biomedical Sciences and Engineering, National Central University, Taiwan

11:15 R2-O2

Controlled Alignment of Organic thin films for flexible and efficient phototransistor application

Radhe Shyam[1,2], Takaaki Manaka[2], Rajiv Prakash[1]

[1]Department of Electrical and Electronics Engineering, Institute of Science Tokyo, Japan

[2]Indian Institute of Technology (BHU) Varanasi, India

11:30 R2-O3

Maskless Ultra-Precise Dispensing: Micro-Manufacturing for Flexible and Printed Electronics

Filip Granek, Piotr Kowalczewski

XTPL SA, Poland

11:45 R2-O4

A Flexible and Recyclable Biomechanical Sensor Design based on Triboelectrification

Shih-Min Huang, Po-Kang Yang

Department of Biomedical Sciences and Engineering, National Central University, Taiwan

12:00 R2-O5

Silent Speech Interface Using Soft EMG Sensors with Deep Learning

Yuta Kurotaki[1,2], Reitaro Yoshida[2], Shunsuke Yamakoshi[1], Yutaka Isoda[1], Tamami Takano[1], Yuji Isano[1], Yusuke Miyake[2], Kentaro Kuribayashi[2], Hiroki Ota[1]

[1]Yokohama National University, Japan

[2]Pepabo Research and Development Institute, GMO Pepabo, Inc., Japan

September 19 (Fri)

Regular session 3 (Prof Taguchi)　　Bldg W9, W933 Lecture Room

11:00-12:15

11:00　R3-O1

Synaptic Transistor Memory Using DPP-based Polymer and Biomass Additive

Waner He[1], Zhen Feng[1], Qun-Gao Chen[2], Chu-Chen Chueh[3], Wen-Ya Lee[2], Tsuyoshi Michinobu[1]

[1]Department of Materials Science and Engineering, Institute of Science Tokyo, Japan

[2]Department of Chemical Engineering and Biotechnology, National Taipei University of Technology, Taiwan

[3]Department of Chemical Engineering, National Taiwan University, Taiwan

11:15　R3-O2

Exploring Intramolecular Triplet–Triplet Annihilation Upconversion by Double Sensitization

Aoi Haraguchi[1], Kenichi Goushi[2], Shoma Sasaki[1], Chihaya Adachi[1,3]

[1]Center for Organic Photonics and Electronics Research (OPERA), Kyushu University, Japan

[2]Department of Applied Quantum Physics & Nuclear Engineering, Kyushu University, Japan

[3]International Institute for Carbon Neutral Energy Research (I[2]CNER), Kyushu University, Japan

11:30　R3-O3

Structural variation in semiconducting polymers for organic photovoltaics

Kyohei Nakano, Yumiko Kaji, Keisuke Tajima

RIKEN center for emergent matter science (CEMS), Japan

11:45　R3-O4

Operating lifetime dependent on electron injection layer for inverted blue exciplex upconversion-type OLEDs

Kenta Usui, Masahiro Morimoto, Shigeki Naka

University of Toyama, Japan

12:00　R3-O5

Fabrication of Flexible Organic Thin Film Transistors Using Liquid Crystalline Organic Semiconductor Ph-BTBT-10 and Application to Image Sensor Pixels

Issei Suzuki, Hiroaki Iino

Institute of Science Tokyo, Japan