

Program

Nov. 13 (Tues)

16:00 ~ 16:30

Registration

Opening Session

(Chair: Prof. Soo-Hyung Kim)

16:30 ~ 16:50

Opening Address

Prof. Deug-Woo Lee

Prof. Hidenori Mimura

Invited Session

16:50 ~ 17:30 I-01

Prof. Dong-Wook Han (Pusan National University)

Graphene-based Novel Biomimetic Platforms for Biomedical Applications

17:30 ~ 18:10 I-02

Prof. Hideki Asai (Shizuoka University)

Advanced Power/Signal Integrity & EMI Simulation Technology for High-Speed Electronic Design

Welcome Party

(Chair: Prof. Tae-June Kang)

19:00 ~ 20:30

Welcome Party at Hyowon Hall in Busan Campus

Welcome Address: Prof. Yoon-Hwae Hwang

Prof. Hidenori Mimura

Toast: Prof. Chae-Ryong Cho

Prof. Enoch Y. Park

Nov. 14 (Wed)

Oral Session I

(Chair: Prof. Dong-Yun Lee)

09:00 ~ 09:15 O-01

Minji Kim (Pusan National University)

Surface properties of plasma-treated conducting polymer for flexible biosensor

09:15 ~ 09:30 O-02

Hodaka Fukunaga (Shizuoka University)

Effect of Microplasma Irradiation on Medical Polymer Films

09:30 ~ 09:45 O-03

Jiyun Nam (Pusan National University)

Understanding of Molecular Mechanism of Sarcopenia, Muscle Deficiency Syndrome, in Old People and Significance of Free Radical Formation in Differentiation of L6 Muscle Stem Cells

09:45 ~ 10:00 O-04 Naoto Takahashi (Shizuoka University)
Detection of influenza viruses by using localized surface plasmon resonance

10:00 ~ 10:15 O-05 Bao-Lam Nguyen (Pusan National University)
Highly Sensitive Detection of Mercury Ions in Water

10:15 ~ 10:30 O-06 Yuhei Suzuki (Shizuoka University)
Focused ion beam Ga implantation into P-doped SOI layer for fabrication of thermoelectric modules

10:30 ~ 10:50 Coffee Break

Oral Session II (Chair: Prof. Enoch Y. Park)

10:50 ~ 11:05 O-07 Sang-Hyun Lee (Pusan National University)
Synthesis of Solid and Mesoporous TiO₂ Nanoparticles and Their Applications into Double-layered Dye Sensitized Solar Cells

11:05 ~ 11:20 O-08 Hiroshi Ota (Shizuoka University)
Surface treatment of TiO₂ nanoporous film by pyrrolidinedithio-carbamate

11:20 ~ 11:35 O-09 Seungjib Yum (Pusan National University)
Effect of Thiophene π -bridge on D-A Type Copolymers Based on Carbazole, Thieno[3,4-c]pyrrole-dione Unit with Deep HOMO Level and Their Application to Photovoltaic Cell

11:35 ~ 11:50 O-10 Yohei Kuzuya (Shizuoka University)
Donor Ionization Energy and Electronic States in Si nano-FETs

11:50 ~ 14:00 **Lunch**

Oral Session III (Chair: Prof. Dong-Wook Han)

14:00 ~ 14:15 O-11 Yong-Heon Lee (Pusan National University)
Multiple TiO₂ Layer Applied to Photoelectrode of Dye-sensitized Solar Cells for Optimizing Light Harvesting

14:15 ~ 14:30 O-12 Syed Rahin Ahmed (Shizuoka University)
Roughness Driven Metal-enhanced Fluorescence (MEF) Study on Nanocomposite Film

- 14:30 ~ 14:45 O-13 Hyojeong Kim (Pusan National University)
Theoretical Study of the Confined Water between Hydrophobic Pillars
- 14:45 ~ 15:00 O-14 Yutaro Sugiyama (Shizuoka University)
PbSrS based quantum well for optically pumped surface emitting laser
- 15:00 ~ 15:15 Closing Remark
Prof. Soo-Hyung Kim
Prof. Yoshimasa Kawata
- 15:15 ~ 15:30 Coffee Break
- 15:30 ~ 17:10 **Sports Activities** at Liberty Yard
- Banquet** (Chair: Prof. Yoichiro Nakanishi)
19:00 ~ 21:00 Banquet at Busan Tourist Hotel
An Incentive Speech and Toast: Prof. Dong-Wook Han
Prof. Michiharu Tabé
Closing Address: Prof. Chae-Ryong Cho
Prof. Hidenori Mimura