

Program of the 6th International Symposium on Biomedical Engineering

December 2

Opening Session

Chair: Hidenori Mimura, Shizuoka University

- 10:00~10:07 Opening Remarks: Kazuyuki Hizume, President, Shizuoka University
10:07~10:14 Greeting: Makoto Ueki, Director, Scientific Research Institutes Division,
Research Promotion Bureau, MEXT
10:14~10:20 Introduction of Research Center for Biomedical Engineering
Hiroyuki Kagechika, Tokyo Medical and Dental University

Session A

Chair: Yoshikazu Nakajima, Tokyo Medical and Dental University

- 10:20~11:00 Genki Yoshikawa, National Institute for Materials Science (NIMS)
"Development of Olfactory Sensor Systems"
11:00~11:25 Mako Kobayashi, Tokyo Medical and Dental University
"Recent Trends in Decellularized Biological Tissues and Organs"
11:25~11:50 Tomio Iwasaki, Hitachi Ltd.
"Design of Strong Interfaces with Biomaterials by Use of Materials Informatics Based
on Molecular Simulation"

11:50~13:00 **Lunch Break**

Session B

Chair: Kentaro Nakamura, Tokyo Institute of Technology

- 13:00~13:40 Osamu Suzuki, Tohoku University Graduate School of Dentistry
"Bioactive bone substitute materials involving conversion into bone-like tissues"
13:40~14:05 Wataru Hijikata, Tokyo Institute of Technology
"Energy harvesting from human generated power for biomedical applications"
14:05~14:30 Sangyeop LEE, Tokyo Institute of Technology
"mmW/THz applications for healthcare"

14:30~14:50 **Break**

14:50~16:50 **Video presentation & QA 1**

December 3

10:00~12:00 **Video presentation & QA 2**

12:00~13:00 **Lunch Break**

Session C

Chair: Suguru Kameda, Hiroshima University

- 13:00~13:40 Hiroshi Watanabe, Che-An Lee, National Yang Ming Chiao Tung University
"Si Nanotechnologies and electronic sensing of biological viruses for global disease control"
- 13:40~ 14:05 Thuy Thi Nguyen, Hiroshima University / Hanoi National University of Education
"Ultra-high performance Poly-Si Thin Film Transistors and its applications"
- 14:05~14:30 Yumi Aoyama, Kawasaki Medical School
"Automated Detection System to Assess the Sweating Abnormalities and Coarseness of the Skin; Improvements, Innovations and Clinical Applications in Dermatology"

14:30~14:50 **Break**

Session D

Chair: Keiichiro Kagawa, Shizuoka University

- 14:50~15:30 Rolf B Saager, Linköping University, Sweden
"New implementations of optical imaging techniques to extract novel physiologic details from skin"
- 15:30~15:55 Shin Usuki, Shizuoka University
"Computational microscopy for biomedical imaging with improved resolution"
- 15:55~16:20 Junko Morikawa, Tokyo Institute of Technology
"Fabrication and imaging using electromagnetic radiation beams"

Closing Session

Chair: Atsushi Ono, Shizuoka University

- 16:20~16:50 **Award Ceremony**
Closing Remarks: Hidenori Mimura, Shizuoka University