

# The 2<sup>nd</sup> International Symposium on Biomedical Engineering

Sponsored by Ministry of Education, Culture, Sports, Science and Technology (MEXT)

## November 9-10, 2017

### Invited Speakers

**Wim Hennink**, Universiteit Utrecht

*"Nanogels for Protein and Drug Delivery"*

**Etienne Burdet**, Imperial College London

*"Human-Machine Interaction and Neurorehabilitation"*

**Emily Porter**, National University of Ireland, Galway

*"Microwave Breast Cancer Detection"*

**Zhongping Chen**, University of California, Irvine

*"Advances in Integrated Multimodality Intravascular Imaging System for Assessing and Characterizing Atherosclerotic Plaques"*

**Venue:** Multi-Purpose Digital Hall, Tokyo Institute of Technology (West Bldg. 9, Ookayama Campus, Tokyo)  
**Address:** 2-12-1 Ookayama, Meguro-ku, Tokyo 152-8550 Japan  
**Access:** Tokyu Meguro line Ookayama station,  
Tokyu Oimachi line Ookayama station

東京工業大学 大岡山キャンパス

(東急目黒線・大井町線大岡山駅徒歩5分)

"The Research Center of Biomedical Engineering (RCBE) was established in April, 2016, by support of the Ministry of Education, Culture, Sports, Science and Technology (MEXT). The international symposium on biomedical engineering is organized as a part of the activities in the RCBE. Through the collaborative research in the interdisciplinary field between medicine and engineering, we discuss the global issues on future medicine and healthcare, and develop innovative technologies to realize a healthy aging society"

#### Organizers:

Institute of Biomaterials and Bioengineering,  
Tokyo Medical and Dental University  
Laboratory for Future Interdisciplinary Research of  
Science and Technology, Tokyo Institute of Technology  
Research Institute for Nanodevice and Biosystems,  
Hiroshima University  
Research Institute of Electronics, Shizuoka University

#### Submission deadline for poster presentation: August 31, 2017

The abstract submission is required for poster presentation.  
For preparation of the abstract, please visit the following website;  
[http://www.first.iir.titech.ac.jp/news/2017/detail\\_293.html](http://www.first.iir.titech.ac.jp/news/2017/detail_293.html)

#### Registration deadline: November 01, 2017

Registration is free. Please visit the following website  
for registration.  
[http://www.first.iir.titech.ac.jp/news/2017/detail\\_293.html](http://www.first.iir.titech.ac.jp/news/2017/detail_293.html)

2017 31

2017 11

### Academic-Industrial Collaboration Session

**Akihiro Miyauchi**, Hitachi Ltd.

*"Formation of Surface Structure by Nanoimprint and Biomimetics"*

**Takashi Yamane**, Kobe University

*"Development and Evaluation of Mechanical Circulatory Support Devices"*

**Masayuki Tsuji**, Cadence Design Systems

*"Real-time Processing of Computer-Aided Diagnosis System for Colorectal Tumor Classification in NBI Endoscopy Using CNN Features by Implementing to Tensilica Vision P6 DSP"*

**Akifumi Koike**, ANSeeN Inc.

*"Material Identification CT using X-ray Attenuation Length Detection Line Sensor"*

Contact: Laboratory for Future Interdisciplinary  
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E-mail: [sympo2017@first.iir.titech.ac.jp](mailto:sympo2017@first.iir.titech.ac.jp)

#### Registration: Free

#### Networking fee:

JPY5,000 for regular participants, and JPY2,000 for students  
The networking fee should be paid on site at the registration desk.  
Registration for the networking is required.  
Please visit the following website for detail.  
[http://www.first.iir.titech.ac.jp/news/2017/detail\\_293.html](http://www.first.iir.titech.ac.jp/news/2017/detail_293.html)

5,000

2,000



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## November 9-10, 2017

### Program

#### November 9 11 9

13:00	13:10	Opening Remarks
13:10	13:20	Introduction of Research Center for Biomedical Engineering
13:20	14:45	Session A
14:45	16:15	Poster Session 1 & Coffee Break
16:25	18:05	Academic-Industrial Collaboration Session
18:15	20:00	Networking

#### November 10 11 10

10:00	11:25	Session B
11:25	13:15	Poster Session 2 & Lunch
13:25	14:50	Session C
14:50	15:10	Coffee Break
15:10	16:35	Session D
16:35	16:50	Closing Remarks (Award Ceremony)

#### Organizing Committee:

Yuji Miyahara, Tokyo Medical and Dental University  
 Kohji Mitsubayashi, Tokyo Medical and Dental University  
 Kenji Kawashima, Tokyo Medical and Dental University  
 Fumio Koyama, Tokyo Institute of Technology  
 Hideki Hosoda, Tokyo Institute of Technology  
 Shin Yokoyama, Hiroshima University  
 Hidenori Mimura, Shizuoka University  
 Koji Mori, Shizuoka University

#### Technical Program Committee:

Yuji Miyahara, Tokyo Medical and Dental University  
 Kohji Mitsubayashi, Tokyo Medical and Dental University  
 Kenji Kawashima, Tokyo Medical and Dental University  
 Fumio Koyama, Tokyo Institute of Technology  
 Hideki Hosoda, Tokyo Institute of Technology  
 Shin Yokoyama, Hiroshima University  
 Hidenori Mimura, Shizuoka University  
 Koji Mori, Shizuoka University  
 Tadahiko Shinshi, Tokyo Institute of Technology  
 Masato Sone, Tokyo Institute of Technology  
 Hiroyuki Ito, Tokyo Institute of Technology  
 Natsue Yoshimura, Tokyo Institute of Technology  
 Yasuko Yanagida, Tokyo Institute of Technology  
 Marie Tabaru, Tokyo Institute of Technology  
 Kotaro Tadano, Tokyo Institute of Technology  
 Hayato Yoshioka, Tokyo Institute of Technology  
 Akira Umise, Tokyo Institute of Technology