

MEI-Center Summer School 2017

Biomedical Engineering for Human Gait and
Posture Analysis in Osaka Univ.



31 Jul. - 4 Aug. 2017

**Osaka University Suita Campus
Toyonaka Campus**

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**GLOBAL CENTER
FOR MEDICAL ENGINEERING
AND INFORMATICS
OSAKA UNIVERSITY**

Schedule

Date/Time	Title/Speaker	Location
31 Jul. (Mon)		
9:30 ~ 9:40	Opening Remarks Prof. Yasushi Sakata (Osaka University Medical School, MEI Director)	Center of Medical Innovation and Translational Research Building 2F Seminar Room A (0224) (CoMIT 2F-A (0224))
9:40 ~ 11:40	Introduction to Modeling Human Movement and Neuromechanics Lecture by Prof. Taishin Nomura (Osaka University)	
13:30 ~ 15:30	Clinical Applications of Motion Analysis Lecture by Prof. Wei-Li Hsu (National Taiwan University)	
16:00 ~ 18:00	Short-oral session by participating students	
1 Aug. (Tue)		
9:30 ~ 11:30	Osaka University Hospital Visit Dr. Keita Okayama (Osaka University)	Osaka University Hospital
13:30 ~ 15:00	Mini-workshop on bioethics Development of an Implantable Medical Device for Brain Machine Interface Lecture by Prof. Masayuki Hirata (Osaka University)	CoMIT 2F-A (0224)
15:30 ~ 16:30	Lab Tour for Prof. Hirata's Laboratory	
18:00 ~	Social Gathering	Icho Kaikan 2F Icho Club
2 Aug. (Wed)		
10:00 ~ 11:30	Muscular-skeletal Humanoid Robot for understanding Human intelligence Special Lecture by Prof. Koh Hosoda (Osaka University)	CoMIT 2F-A (0224)
13:00 ~ 15:00	Motion Analysis and its Application in the Rehabilitation Engineering Lecture by Prof. Young Ho Kim (Yonsei University)	
15:30 ~ 17:30	Evaluation of dynamic balance and its application for prediction of knee ligament injury Lecture by Prof. Ken Nakata (Osaka University Medical School)	
3 Aug. (Thu)		
9:00 ~ 11:00	Aging effect on posture and gait Lecture by Prof. Gwang-Moon Eom (Konkuk University)	CoMIT 2F-A (0224)
12:40 ~ 15:40	Lecture 1: Neural Basis of Learning Lecture 2: Learning of movement and reward Lecture by Prof. Yasushi Kobayashi (Osaka University)	
17:00 ~	Optional Lab tour for Kansai Rehabilitation Hospital	Kansai Rehabilitation Hospital
4 Aug. (Fri)		
9:30 ~ 10:00	Awarding course completion certificate (Prof. Yasushi Sakata)	CoMIT 2F-A (0224)
10:15 ~ 16:00	Lab Tours at Suita Campus and Toyonaka Campus	Each Lab