

Forum Report

Name of Forum	The 1st Forum for Asian Clinical Engineering (2012・OSAKA・FACE)
Theme	“To Face the Glocalization Age of Asian Clinical Engineering”
Date	Sunday, April 22, 2012 9:00~16:30
Venue	Osaka International Convention Center, Osaka City, Japan
Host	Osaka Jikei Gakuen, Graduate School of Health Care Sciences, Jikei Institute Asian Vocational Human Resource Development Center, Japan
Co-host	University of Shanghai for Science and Technology Shanghai Medical Instrumentation College, China
Sponsor	Osaka prefecture, Osaka education Board, etc
Chairperson	Kunihiko UKIFUNE President, Graduate School of Health Care Sciences, Jikei Institute, Honorary Doctor, West Florida University, U.S.A.
Co-chairpersons	Shuang Yan (University Affairs Committee Director, professor of University of Shanghai for Science and Technology, China) Gang Zheng (Vice President, University of Shanghai for Science and Technology/ Professor of Shanghai Medical Instrumentation College)

Schedule (tentative)

Congratulatory message

Ichiro Matsui Governor of Osaka Prefecture

Invitation Lecture

L-1

“Medical qualification system in Japan, Past, Present and Future” Satoshi Watanabe Incorporated foundation, Japan Association for the Advancement of Medical Equipment, Chief Director

L-2

“Chinese Medical Device Adverse Event Monitoring System and Post-marketing Risk Management” Dong Fang Center for Drug Reevaluation, SFDA, China, Director

Special Lecture, Educational Lecture

L-3

“Experience from the Great East Japan Earthquake, Activities for its damage by Clinical Engineers and future issues” Yuichi Kikuchi General Incorporated Association, IWATE Prefectural Association for Clinical Engineering Technologist, President

L-4

“The birth and development of Clinical Engineering Technologist in Japan” N oriaki Ono Graduate School of Health Care Sciences, Jikei Institute, Professor

L-5

“On the Biomedical Engineering & Medical Device in China”
Weiqi Wang Fudan University, Chair Professor, University of Shanghai for Science and Technology,
Honor Dean, Chinese Academy of Engineering, Academician

Symposium (part 1) "Clinical engineering of each Asian country" – current situation

S-1

"The present condition of perfusionist in Korea" Lee Jiyun (Korea) Asan Medical Center, Seoul

S-2

"Current Status of Dialysis in Vietnam"

Nguyen Tat Thang (Vietnam) Department of Nephrology and Dialysis, Hoe Nhai Hospital, Hanoi

S-3

"Summary of Clinical Engineering in Indonesia"

Asmaranto Prajoko (Indonesia) Health Ministry, Indonesia

S-4

"Improvement of Medical Imaging Equipment Inventory and Documentation System in Public Hospitals of Bangladesh"

Md. Anwar Hossain A.B.M. Siddique (Bangladesh) National Electro-medical equipment Maintenance workshop & Training Center (NEMEMW & TC) Ministry of health and Family Welfare

S-5

"Medical Equipments Situation in Cambodia"

Hab Soksamngang (Cambodia) National Maternal and Child Health Centre

S-6

"Scenario of Biomedical Engineering Field in Nepal"

Roshan Bajracharya (Nepal) Kanti Children's Hospital, Kathmandu

Symposium (part 2) "Change for the Glocalization Times in the clinical engineering workplace and college for the talented person"

S-7

"The Consciousness and Current Status of Clinical Engineering in China"

Yi Ge (China) China Medical Association, branch of CE, Vice-Chairman, Shanghai Chang Zheng Hospital, PRC

S-8

"Current Situation, Issues and Expectation for Clinical Engineering Technologists in Japan"

Hideki Muranaka (Japan) General Incorporated Association for Clinical Engineering Technologists of Osaka, Chairman, Bell Land General Hospital, Administration Division, Clinical Engineering Department

S-9

"An Exploration to the Training Practice for International Clinical Engineering Technical Personnel"

Zhaoyan Hu, Feng Qian (China) Shanghai Medical Instrumentation College Ma Xiaoming, Su Quan (China) ShenZhen Polytechnic

S-10

"To become clinical engineering technologist in Japan – Current situation of training education to Chinese student in Japan"

Masatoshi Suzaki (Japan) Osaka College of High Technology, Department of Clinical Engineering

S-11

"Biomedical Engineering Education and Research Activities at Zhejiang University"

Gangmin Ning (China) Dept. of Biomedical Engineering, Zhejiang University

Panel discussion "The prospects for clinical engineering of medical care in Globalization Times"

Chairman: (Japan) Takashi Kano (Saitama Medical University, Professor)

Panelist:

D-1

(Japan) Yoshihisa Yamashita

(Japan Incorporated Association for Clinical Engineering Technologists International cooperation committee, Chairman, Saitama Medical University, Associate professor) "Clinical Engineering Technologist in modern medicine and international cooperation"

D-2

(China) Liu Xuejun

(Committee of hemodialysis technology in Beijing medical society, President, China-Japan friendship hospital, Beijing) "Current development of Clinical Engineering Technologist for hemodialysis in China"

D-3

(Taiwan) Dein Shaw

(National TsingHua University, Professor, Tze Chiang Foundation of Science and Technology) "Status of Medical Engineer Education and ME Related License in Taiwan"

D-4

(Japan) Nobuhisa Shibahara

(Arisawa General Hospital, Director) "The present state and problems of dialysis in Southeast Asia"

D-5

(Singapore) Wei Min Huang

(School of Mechanical and Aerospace Engineering, Nanyang Technological University, Associate Professor) "Shape memory materials for Minimally Invasive Surgery"

<Special plan>

Poster presentation by University & College students (Award for Excellent poster presentation)

Japanese tea ceremony & art of flower arrangement Exhibition by Support companies Visit Hospital and ME company (April 23rd)

Poster Presentation by University & College students

P-1

"The Exchange of The Extracorporeal Circulation Simulator Education between Singapore and Japan"
Masaaki Kudo, Akio Uwaguchi, Shinji Ninomiya Department of Clinical Engineering, Hiroshima International University

P-2

"An experimental flow field visualization model of the aortic dissection for quantitative evaluation of stents"

Akio Uwaguchi, Masaaki Kudo, Shinji Ninomiya Department of Clinical Engineering, Hiroshima International University

P-3

"The Essence of Clinical Engineer"

Chan Chor Pang Department of Clinical Engineer, Hokkaido High-Technology College

P-4

"Development of percutaneous pulsating measurement sensor – Evaluation of sternum oppression -"
Haruki Yamada, Hironori Mashiba, Katsunori Tachibana Department of Biomedical Engineering, Osaka Electro-Communication University

P-5

"Improvement of Dialysis Capacity by Centrifugal Force"

Akihiro Hioka, Kazunori Anzu, Shingo Higuchi, Kiyotaka Houki, Takeshi Yamauchi Department of Clinical Engineering, Osaka College of High Technology

Poster Presentation by University & College students

P-6

“Proposal of Detection System of Blood Coagulation”

Nozomi Teratani Department of Clinical Engineering, Osaka College of High Technology

P-7

“Development of IABP trigger system resistant to artifacts”

Tatsuhiko Ito Department of Biomedical Engineering, Faculty of Health and Medical Care, Saitama Medical University

P-8

“Pump Tube Pressure Monitoring of Heart-lung Machine”

Xue Qinyi, Wang Xingling, Lu Renjie, Pan Yayun, Zhang Junxin Shanghai Medical Instrumentation College

P-9

“Design based on 555chip low-frequency electrical pulse nerve stimulation”

Zheng Shuyi, Chen Lingwen, Jiang Xue, Zhang Yizhi Shanghai Medical Instrumentation College, Medical electronic information department

P-10

“Possibilities of uninterruptible power supply system for personal computers in serious disasters”

Hideo Kanii, Tadashi Kaneko, Jyunichi Shibasaki, Ken Tsukamoto, Shinkichi Numata, Muneo Emura, Toshiya Kimura Tokyo college of Medico-PharmacoTechnology

Participants in the 1st Forum for Asian Clinical Engineering

Participating Nations & Region	Japan, China, South Korea, Vietnam, Indonesia, Bangladesh, Cambodia, Nepal, Taiwan, and Singapore
Participants	Clinical engineers, medial doctors, allied-health professionals, educators, researchers and specialists of medical devices, etc.
Number of participation	About 400 participants.

Forum scenery



Reception



Meeting hall



Meeting hall



Meeting hall



Greeting for the forum



Invitation Lecture



Invitation Lecture



Special Lecture



Educational Lecture



Educational Lecture



Attendances



Attendances



Panel Discussion



Panel Discussion

Forum scenery



ME Company exhibition



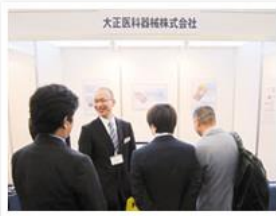
Poster presentation



Japanese tea ceremony



ME Company exhibition



ME Company exhibition



Poster presentation



Award for excellent poster presentation



Commemorative photo with lectures



Greeting for closing

Completion of the 1st Asian Clinical Forum

Along with rapid economic growth in Asia, medical sophistication and innovations of medical devices have been developing dramatically. As a part of this circumstance, we were able to hold The 1st Forum for Asian Clinical Engineering themed "To Face the Globalization Age of Asian Clinical Engineering" (sponsored by Osaka Jikei College and supported by the Ministry of Education, Culture, Sports, Science and Technology and Osaka Prefecture) to commemorate the 1-year anniversary of the establishment of the Graduate School of Health Care Sciences, Jikei Institute at Osaka International Convention Center on April 22, 2012. I'd like to take this opportunity to extend my appreciation to our co-hosts, the University of Shanghai for Science and Technology and China and Shanghai Medical Instrumentation, China College as well as about 400 participants consisting of clinical engineers, medical doctors, allied-health professionals, educators, researchers and specialists of medical devices from Japan, Korea, Taiwan, Singapore, Vietnam, Cambodia, Indonesia, Bangladesh, and Nepal for the success of the 1st forum. During the forum, we had wonderful opportunities to hear from Dr. Satoshi Watanabe (Chancellor, Japan association for the advancement of Medical equipment), Mr. Dong Fang (Director, Center for Drug Reevaluation, SFDA, China), and Mr. Wang Wei Qi (Chair Professor, Fudan University). In addition, I'd like to thank Mr. Yuichi Kikuchi (Chancellor, Iwate Association Clinical Engineering Technologists) who discussed the importance of the clinical engineers' roles in the devastated area of the Great East Japan Earthquake, Professor Takashi Kano (Saitama Medical University) who moderated the panel discussion, and other individuals from respective countries who shared their research on the current status and issues of clinical engineering and cultivation of human resources. The 1st Asian Clinical Forum opened our eyes to different perspectives toward clinical engineering in respective countries. Furthermore, this forum produced significant results to formulate a common understanding regarding creation of a partnership for the future of clinical engineering. Lastly, we published a report on The 1st Asian Clinical Forum. It is my sincere hope that it helps you deepen discussions on the forum.

May, 2012

Kunihiko UKIFUNE
Chairperson, The 1st Forum for Asian Clinical Engineering
Chancellor, Osaka Jikei College
Chancellor, Graduate School of Health Care Sciences,
Jikei Institute



Chancellor of Graduate School of
Health Care Sciences,
Osaka Jikei Institute

浮舟 邦彦
Kunihiko UKIFUNE