



7th Korea-U.S.A. Joint Symposium

27 (Sun) – 29 (Tue) September 2009



MEMS and Bioengineering

Welcome Reception (27 September 2009)

18:00 ~ 20:00 **Welcome Reception (Korean Restaurant, Kyung-Hoi-Ru)**

Technical Program (28 September 2009)

Dream Hall, Chung Moon Soul Building, KAIST

09:00 ~ 09:20 *Registration*

09:20 ~ 09:25 **Welcome Address and Opening**
Prof. Albert P. Pisano (University of California at Berkeley)

09:25 ~ 09:30 **Joint Activity Progress and Perspective**
Prof. Young-Ho Cho (Korea Advanced Institute of Science and Technology)

[Morning Session] Moderator: Albert P. Pisano

09:30 ~ 10:00 **Microplatforms for Cell Biomechanics Studies**
Prof. William C. Tang (University of California at Irvine)

10:10 ~ 10:40 **Novel Scanning Probe Convergence Technology for BioMedical Research & Potential Application**
Dr. Sang-Joon Cho (Park Systems Corporation)

10:40 ~ 11:00 *Coffee Break*

11:00 ~ 11:30 **Use of Porous Thin Films in Microdevices**
Prof. Chang-Jin Kim (University of California at Los Angeles)

11:40 ~ 12:10 **AAO-assisted Nano-Structure Fabrication on Engineering Surfaces**
Prof. Byeong Hee Kim (Kangwon National University)

12:10 ~ 13:30 *Lunch Break*

[Afternoon Session] Moderator: Young-Ho Cho

13:30 ~ 14:00 **Membrane Biology and Hemoglobinopathies**
Dr. Frans A. Kuypers (Children's Hospital Oakland Research Institute)

14:10 ~ 14:40 **Novel Tools for Single Cell Analysis: Flow-Lysometry and SiCMA**
Dr. Won Chul Lee (Children's Hospital Oakland Research Institute)

14:40 ~ 15:00 *Coffee Break*

15:00 ~ 15:30 **Nanomanufacturing Technology for Multifunctional Nanodevice Applications**
Prof. Inkyu Park (Korea Advanced Institute of Science and Technology)

15:40 ~ 16:10 **National Basic Plan for the Development of Convergence Technology in Korea**
Dr. Eung-Sug Lee (National Research Foundation of Korea)

16:10 ~ 16:30 *Wrap up*

16:30 ~ 17:30 **Cell Bench Research Center Tour**

18:00 ~ *Banquet*

Discussion (29 September 2009)

10:00 ~ 12:00 **Organizing Committee Meeting**