



6th U.S.A.-Korea Joint Symposium



7 (Mon), 8 (Tue) July 2008

MEMS and Bioengineering Technology

Technical Program

Hogan Room, 521 Cory Hall

7 (Mon) July 2008

- 11:30 ~ 11:35 **Welcome Address and Opening**
Albert P. Pisano (University of California at Berkeley)
- 11:35 ~ 12:05 **Droplet Microfluidics: Playing with Liquid Packets on Chip**
Chang-Jin Kim (University of California at Los Angeles)
- 12:05 ~ 12:35 **Mechanical Behavior of Thin Film and Small Sized Materials**
Seungmin Hyun (Korea Institute of Machinery and Materials)
- 12:35 ~ 13:05 **Microfluidic Devices for Advanced Therapeutics**
Abraham P. Lee (University of California at Irvine)
- 13:05 ~ 13:35 **Polysilicon Film Encapsulated MEMS Resonators for Oscillator Applications**
Bongsang Kim (University of California at Berkeley)
- 13:35 ~ 13:40 **Joint Activity Progress and Perspective**
Young-Ho Cho (Korea Advanced Institute of Science and Technology)
- 14:00 ~ 16:00 Field Trip (Optional) – Berkeley Microlab
- 18:00 ~ 21:00 Banquet – Skates on the bay

8 (Tue) July 2008

- 11:30 ~ 11:35 **Welcome Address and Opening**
Albert P. Pisano (University of California at Berkeley)
- 11:35 ~ 12:05 **Biomedical Innovations by BioPOETS (Biologically-inspired Photonics-Optofluidics-Electronics Technology & Science)**
Luke P. Lee (University of California at Berkeley)
- 12:05 ~ 12:35 **Piezoelectric Sensor and Generator Using Flow-Induced Vibration**
Young Ho Seo (Kangwon National University)
- 12:35 ~ 13:05 **MEMS for Mechanobiology**
Beth L. Pruitt (Stanford University)
- 13:05 ~ 13:35 **Small Optics for Biophotonics**
Ki-Hun Jeong (Korea Advanced Institute of Science and Technology)
- 14:00 ~ 16:00 Field Trip (Optional) – Children's Hospital Oakland Research Institute (CHORI)

