IFMBE Asia Pacific Traveling Fellowship

James Goh
Convenor, APTF

Recipients of Inaugural AP Traveling Fellows:

• Dr. Yasuyuki Shiraishi (JSMBE)
  Assistant Professor,
  Department of Medical Engineering and Cardiology, Institute of Development, Aging and Cancer, Tohoku University, Japan

• Dr. Yong-Ping Zheng (HKIE)
  Associate Professor,
  Department of Health Technology and Informatics, The Hong Kong Polytechnic University, Hong Kong

• Dr. Chi Hyun Kim (KOSOMBE)
  Assistant Professor,
  Department of Biomedical Engineering, Yonsei University, Korea

• Dr. Peter Lee (BES (Singapore))
  Program Manager,
  Biotechnology Program for Military Applications, Defence Medical and Environmental Research Institute, DSO National Labs, Singapore

• Dr. Shiao-Wen Tsai (BMESROC)
  Assistant Professor,
  Department of Biomedical Science, Chang-Gung University, Taiwan
Traveling Schedule

Route:

Singapore (17th to 20th August)
- National University of Singapore
- Nanyang Technological University

Hong Kong, China (20th to 22nd August)
- Chinese University of Hong Kong
- Hong Kong University of Science and Technology
- Hong Kong Polytechnic University

Tokyo, Japan (22nd to 24th August)
- AIST (National Institution in Tsukuba)
- University of Tokyo
- Joint Graduation University of Tokyo Women's Medical College/ Waseda University

Tainan, Taiwan (24th to 26th August)
- National Cheng Kung University

Seoul, Korea (26th to 1st September)
- Yonsei University

Singapore
Presentations:

- Hemodynamic evaluation of a newly-designed abdominal bifurcated vascular graft in a sophisticated mock circulatory system
  Dr. Yasuyuki Shiraishi, Japan

- “Tissue Ultrasound Palpation Sensor (TUPS): Research, Development, and Application”
  Dr Yong-Ping Zheng, Hong Kong

- “Oscillatory Fluid Flow-Induced Shear Stress Decreases Osteoclastogenesis through RANKL and OPG Signaling”
  Dr Chi Hyun Kim, Korea

- “Hierarchical Computational Approach To Predicting Pilot Ejection Neck Injury”
  Dr Peter Lee, Singapore

- “Preparation, Characterization and Application of Hybrid Photo-thermal Gel”
  Dr Shiao-Wen Tsai, Taiwan

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TOKYO
Asia Pacific Traveling Fellows Seminar
August 28th Monday, Room 320 @ 16.20

Presentations:
• “Development of an artificial myocardium using covalent-type shape memory alloy fibres”. Dr. Yasuyuki Shiraishi, Japan

• “Sonomyography (SMG): Quantitative Dynamic Assessment of Muscles using Ultrasound”. Dr Yong-Ping Zheng, Hong Kong

• “Tissue Level Compressive Principal Stresses/Strains Govern Early Trabecular Bone Response In Vivo”. Dr Chi Hyun Kim, Korea

• “Biosensors For Chemical And Biological Detection”. Dr Peter Lee, Singapore

• “Nanostructure of Type I Collagen Self-Assembled in the Presence of Polysaccharides”. Dr Shiao-Wen Tsai, Taiwan
The IFMBE Asia-Pacific Working Group meeting with the Asia Pacific Travelling Fellows in Seoul, 28 Aug 2006

The Asia Pacific Travelling Fellowship Symposium chaired by Prof James C H Goh at the IFMBE World Congress on 28 Aug 2006