



## 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 (17<sup>th</sup> to 20<sup>th</sup> August)**
- National University of Singapore
  - Nanyang Technological University
- Hong Kong, China (20<sup>th</sup> to 22<sup>nd</sup> August)**
- Chinese University of Hong Kong
  - Hong Kong University of Science and Technology
  - Hong Kong Polytechnic University
- Tokyo, Japan (22<sup>nd</sup> to 24<sup>th</sup> August)**
- AIST (National Institution in Tsukuba)
  - University of Tokyo
  - Joint Graduation University of Tokyo Women's Medical College/ Waseda University
- Tainan, Taiwan (24<sup>th</sup> to 26<sup>th</sup> August)**
- National Cheng Kung University
- Seoul, Korea (26<sup>th</sup> to 1<sup>st</sup> 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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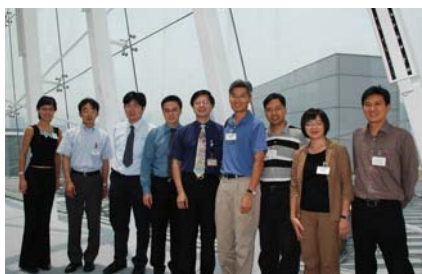
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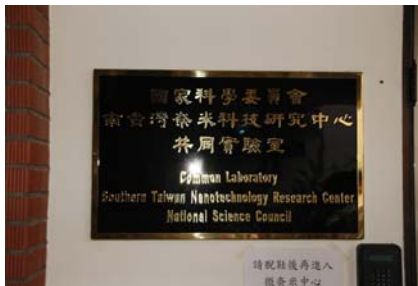
- Yonsei University

**Hong Kong, SAR**



**TOKYO**



**TAINAN**

**Asia Pacific Traveling Fellows Seminar**  
**August 28<sup>th</sup> 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**



**Y Shiraishi,  
Japan**

**James C H Goh,  
Convenor**

**C H Kim,  
S Korea**



**Peter V S Lee,  
Singapore**

**Y P Zheng,  
Hong Kong**

**S W Tsai,  
Taiwan**

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