

NTU-SGH Graduate Student Symposium

~ In conjunction with the International Conference on Biomedical & Pharmaceutical Engineering (ICBPE) 2006 ~

Date: Friday, 8 December 2006

Venue: SGH Postgraduate Medical Institute, Blk 6 Level 1

16:30 – 17:00	Registration	
17:00 – 17:10	Welcome Address by A/Prof Chan Yew Weng, Director, SGH-PGMI	
17:10 – 18:30	Session 1 (lecture room 3) Bioinformatics & Computational Biology <i>Chairs: A/Prof Christopher Cheng (SGH) and A/Prof Kwoh Chee Keong (NTU)</i>	Session 2 (lecture room 4) Cardiovascular & Respiratory Systems/ Biomedical Signal Processing/Biooptics & Biosensing <i>Chairs: A/Prof Chan Yew Weng (SGH) and A/Prof Lim Chu Sing, Daniel (NTU)</i>
	<p>A Prognosis Tool based on Hemostasis and Genetic Complementary Learning <i>Tuan Zea TAN, Geok See NG, Hiok Chai QUEK, S C L KOH</i></p> <p>Cross-correlation of DNA Sequences using Hypercomplex Number Encoding <i>Yajing LI, Jian-Jun SHU</i></p> <p>A Tale of Intronless Genes in Eukaryotic Genomes <i>Peng LI, Meena Kishore SAKHARKAR, Yu LI, Iti CHATURVEDI</i></p> <p>A Dynamic Systems Model of Mechanotransduction Response in an Osteoporotic Bone <i>Kalyan C MYNAMPATI, Wen Wan LING, Peter V S LEE</i></p>	<p>Superoxide Detection by Chemiluminescence, Fluorescence, and Spectrophotometry Methods <i>Anindya Pradipta SUSANTO, Kyaw Thu MOE, Mohammad FIRDHAOSH, Dong-An WANG</i></p> <p>Speech-like Analysis of Snore Signals for the Detection of Obstructive Sleep Apnea <i>Andrew Keong NG, T S KOH, Eugene BAEY, K PUVANENDRAN</i></p> <p>Rapid Palm Sized-All in one Tuberculosis Screening System <i>Aneira Marissa PARIWONO, Chu Sing LIM, Suan Theng LO, Yulmo AMRIE, A MUCHTAR</i></p>
18:30 – 18:50	Break	
18:50 – 20:30	Session 3 (lecture room 3) Assistive & Rehabilitation Technology/Pharmacokinetics/Tissue Engineering <i>Chairs: Dr Denny Lie (SGH) and A/Prof Fuss Franz Konstantin (NTU)</i>	Session 4 (lecture room 4) Biomedical Imaging & Visualization <i>Chairs: A/Prof Pierce Chow (SGH) and A/Prof Chan Kap Luk (NTU)</i>
	<p>High Intensity Ultrasound Phased Array for Surgical Applications <i>Chang Min CHU, Meng Tong TAN, Sunita CHAUHAN</i></p> <p>Rapid On-Site Method to Screen Actinobacillus Pleuropneumoniae in Life Porcines <i>Aneira Marissa PARIWONO, A L CHAN, Pak Chiang YIP</i></p> <p>Modeling of Thermal Gelation and Degelation of MC and HPMC Hydrogels <i>Sunil Chandrakant JOSHI, Yee Cheong LAM, Bee Kim TAN, Shao Qiong LIU</i></p> <p>Porcine Small Intestinal Submucosa is a Suitable Small Diameter Vascular Substitute <i>TOY Wan Ching, GAN Yik-Yuen, LAW Sai Kit Alex, YEO J H, CHIU Jeng-Jiann, CHEN L J, HWANG H C</i></p>	<p>Incorporation of Active Contour without Edges in the Fast Level Set Framework for Biomedical Image Segmentation <i>Annamalai LAKSHMANAN, Myo THIDA, Kap Luk CHAN, Jiayin ZHOU</i></p> <p>Statistical Surface Wavelets Model for Multiscale and Spatial-Localized Medical Image Analysis <i>Yang LI, Tiow Seng TAN, Ihar VOLKAU, Wieslaw L NOWINSKI</i></p> <p>Retrospective Cluster Size Thresholding for MRF-based Detection of Activated Regions in fMRI <i>Suresh Anand SADANANTHAN, Vitali ZAGORODNOV</i></p> <p>Automated Endocardial Boundary Detection using Dynamic Directional Gradient Vector Flow Snakes <i>Kirthika MAHENDRAN, Say Wei FOO</i></p> <p>FPGA Implementation of Real-time Fluorescence Endoscopy Imaging Algorithms <i>Lee Sing CHEONG, Hock Soon SEAH, Feng LIN, Chin-Wen Kenneth YU, Kemao QIAN, Khee Chee SOO, Patricia THONG, Malini OLIVO</i></p>
20:30 – 20:40	Closing Speech by A/Prof Kwoh Chee Keong, Dy Director, BPE Cluster, NTU	
End of Symposium		