



The Hong Kong Polytechnic
University



Technical Committee on
Modeling and Control for
Biomedical Systems



HK Sections & Chapters of:
Signal Processing,
Computer Society,
and EMBS.



THE HONG KONG INSTITUTION
OF ENGINEERS
Biomedical Division

Research Network in Biomedical Systems & Informatics Workshop

2:00PM-6:00PM, Wednesday, 28 March 2007

CD634, Hong Kong Polytechnic University

Programme:

2:00 – 2:45 PM: Keynote Presentation

Prof. Bernie HK Huang – "Selected Frontier Research Topics in Biomedical Imaging Informatics"

2:45 – 3:45 PM: Oral Presentation Session I

Dr. Maria Law, Dr. Fuk-hay Tang, Dr. Lawrence Chan - "PACS initiatives (more time to be allocated for this talk)"

Dr. Michael Small – "Disease Models, Cardiac Signal Processing, and Synaptic Transmission Models"

Dr. Bonie Law – "Signal Processing Techniques in Bioinformatics"

Dr. Manwal Mak – "Feature selection techniques for bioinformatics data mining and Machine learning techniques for protein sub-cellular localization"

3:45 – 4:15 Coffee Break

4:15 – 5:30 PM: Oral Presentation Session II

Prof. David Zhang - "Medical Biometrics"

Dr. Hailong Zhu - "Decision Support System for Cancer Diagnostic and Treatment"

Dr. Michael Ying – "Clinical Ultrasound Imaging"

Dr. Phoebe Chan - "Neuroimaging: MRI, ultrasound and MEG"

Dr. Yongping Zheng - "Biomedical ultrasound imaging and measurement: from innovation, research to products"

Prof. David Feng – "Image Based Systems Physiology and Medical Informatics"

5:30 – 6:00 PM: Panel Discussion on:

(1) Current key problems and major accomplishments, Emerging areas and forecasts.

(2) Opportunities for inter-department / faculty / university research collaborations, as well as with industry, in biomedical systems and informatics.

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