

Computer Bioengineering Design of Textiles and Clothing  
For ieccs2007

Focus on computational methods and simulation on the biofunctional interactions between human body, clothing and environment, including the areas of:

- (1) Biomechanical engineering of textiles and clothing, interactions between human body and clothing such as foot-sock-shoes, leg-stockings, breasts-bras...
- (2) Thermal interactions between human body, clothing and external environment such as human thermoregulation, clothing materials, indoor environment and outdoor environment...
- (3) Biosensory interactions between human, clothing and environment such as perception of thermal sensations, tactile sensation, color, texture and comfort, as well as psychological preferences...
- (4) Virtual fashion simulation and animation
- (5) Virtual thermal living environment and animation

Mathematical models, numerical computational methods and simulation of various cases shall be presented and discussed.

Prof. Dr. Yi LI  
Institute of Textiles and Clothing  
The Hong Kong Polytechnic University  
Hung Hom, Kowloon  
Hong Kong, China

Tel: 2766 6479  
Fax: 2773 1432

Email: [tcliyi@polyu.edu.hk](mailto:tcliyi@polyu.edu.hk)