

Short Course in Geospatial and Fluid Dynamics Modelling of Infectious Diseases

18 - 20 January 2007

FACULTY OF SPEAKERS

Names are arranged according to alphabetical order:

Dr. Ben COWLING	Dr. Cowling is Research Assistant Professor in the Department of Community Medicine and School of Public Health, The University of Hong Kong. His research interests include the mathematical and statistical modelling of infectious disease data, and the prospective surveillance of infectious diseases.
Professor Tung FUNG	Prof. Fung is the Chairman of Department of Geography and Resource Management, The Chinese University of Hong Kong. He is also a member of the Working Group on Promoting the Use of Disease Modelling (WGPUDM) of the Scientific Committee on Advanced Data Analysis and Disease Modelling (SCADADM) of the Centre for Health Protection (CHP). His teaching fields are geographical information systems (GIS) and remote sensing, and research interests include digital image analysis and spatial modelling.
Dr. Poh Chin LAI	Dr. Lai is Senior Lecturer in the Department of Geography, The University of Hong Kong. She is also a member of WGPUDM of SCADADM. Her research interests in the field of GIS include digital geospatial data structure and file organisation, visualisation of temporal spatial data, and emergency, utility and environmental management.
Dr. LEUNG Chi Chiu	Dr. Leung is Consultant Chest Physician (Pneumoconiosis) of the Centre for Health Protection, Department of Health. He is also a member of the WGPUDM of SCADADM. His research interests are related to public health, tuberculosis and modelling.

Professor Yee LEUNG	Prof. Leung is Professor of Geography in the Department of Geography and Resource Management, The Chinese University of Hong Kong. His teaching fields are quantitative method and spatial analysis. His research interests are mathematical methods, spatial decision support systems, and urban and regional analysis.
Dr. Yuguo LI	Dr. Li is Senior Lecturer in the Department of Mechanical Engineering, The University of Hong Kong. He is also a member of the WGPUDM of SCADADM. His recent research interests include ventilation, indoor air quality and respiratory flows, dynamical phenomena, computational fluid dynamics (CFD), and building smoke flows.
Dr. Jianlei NIU	Dr. Niu is Associate Professor of Department of Building Services Engineering, the Hong Kong Polytechnic University. His research interests include development of low-energy air-conditioning systems, modelling of air pollution emission from building materials, and application of turbulence modeling and CFD techniques for building ventilation studies.
Professor Gerard RUSHTON	Prof. Rushton is Professor in the Department of Geography, and Adjunct Professor in College of Public Health, the University of Iowa. He is interested in the development of human service systems particularly for health services. He is also interested in the spatial analysis of disease burdens. Modelling areas include location-allocation, small area demographics, spatial choice behavior, disease cluster analysis, spatial aggregation and disaggregation. He is interested in integrating such methods in GIS.