

Mathematics Talk

The Use of Mathematics in Public Health and Operations Management

Speaker: Dr. Joseph Wu

Mathematics has played a pivotal role in the advance of physical sciences and engineering in the past few centuries. The same paradigm of using mathematics as the basis for analysis and study design has been increasingly adopted by biomedical and decision sciences in the recent decades. In this talk, Dr. Joseph Wu is going to share with us some examples of how mathematics is used in public health and operations management. He will show us how these applications of mathematics are related to the topics covered in school curriculum. In addition, some standard software in modern mathematical and computational analysis will also be introduced.



Dr. Wu is an assistant professor in the School of Public Health of The University of Hong Kong and an external faculty member of the Center for Communicable Disease Dynamics at the Harvard School of Public Health. He obtained his BSc degree in Chemical Engineering in 1999 and PhD degree in Operations Research in 2003 from the Massachusetts Institute of Technology. Dr. Wu's research focuses on understanding the spread and control of infectious diseases. Recent projects include mathematical modeling of pandemic influenza and HPV vaccination. He serves in the scientific committee of the Center for Health Protection to provide scientific advice on public health policies in Hong Kong.

Talk Details

- Date: 15 July 2011 (Friday)
Time: 7:00pm to 8:30pm (Please arrive at 6:45pm for registration)
Venue: **Lecture Theatre, West Block**, Kowloon Tong Education Services Centre, 19 Suffolk Rd., Kowloon Tong
Language: Cantonese
Audience: **All HKAGE members are welcomed! First-come-first-served!!**
Application: Please apply [ONLINE](#)

Application Deadline: 12 July 2011 (Tuesday)

For enquiries, please contact Mr. Li at 3698 3499.