



## UNDERGRADUATE LECTURE ANNOUNCEMENT

### Eigenvalues and Eigenvectors

**Dr. Meng Fanwen**  
Research Fellow,  
The Logistics Institute – Asia Pacific,  
National University of Singapore



**Date :** 11 February 2009 (Wednesday)  
**Time :** 11.30 am – 12.30 pm  
**Venue:** SPMS-Executive Classroom 1, MAS-03-06  
School of Physical and Mathematical  
Sciences

In this lecture, we will study the concepts of eigenvalues and eigenvectors. We also study the method to find eigenvalues and eigenvectors of a given square matrix. In addition, we will discuss an application of eigenvalues and eigenvectors in this lecture.

#### Speaker Biography

Dr. Meng Fanwen is currently a Research Fellow at The Logistics Institute – Asia Pacific, National University of Singapore. His research collaborators in Singapore government bodies include the Economic Development Board and the Ministry of Defence. His collaborators in the industries include leading logistics providers like DHL, CWT, and multinational companies such as GM, Motorola and DFS. Dr. Meng obtained his PhD in 2003 from the Department of Mathematics at the National University of Singapore. From September 2002 to September 2004, he was a Research Engineer at the Centre for Industrial Mathematics and NUS Business School at the National University of Singapore. From October 2004 to September 2006, he was a Postdoctoral Research Fellow in the University of Southampton (UK), conducting an EPSRC research project related to Stochastic Mathematical Programs with Equilibrium Constraints. His current research interests include nonlinear programming, stochastic programming, robust optimization, logistics and supply chain management, and risk management. Some of his research work has appeared in the premium OR journals, such as *Mathematical Programming*, *SIAM Journal on Optimization*, *Mathematics of Operations Research* and *European Journal of Operational Research*.

Host: Prof. Chee Yeow Meng, Head, Division of Mathematical Sciences, School of Physical and Mathematical Sciences

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