

# IT Lunch Time Seminar Series

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## INNOVATION AND GLOBAL COMPETITION: RESEARCH & DEVELOPMENT (R & D) IN THE NEW ECONOMY

**Dr. Lai W. K.**

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### Abstract

*Since achieving independence from England in the late Fifties, Malaysia has moved from a predominantly agriculture-based economy to a manufacturing one within the space of 20 years. However, in the past few years, the World has entered what is commonly believed to be the first phase of an Internet revolution and an Internet-driven knowledge economy. The raw materials of such an economy are no longer just the natural resources of the country. The rules of the game are also very different and the countries and societies that will succeed in this economy may be those that are efficient in generating new ideas, products and/or processes.*

*In this hour-long presentation, the significance of research and development (R & D) for a knowledge economy and what it means for the country will be discussed. The final part of this presentation will begin with a brief tour of some of the exciting areas that MIMOS is currently investigating. Where appropriate, a demonstration of some of the prototypes that we have developed will be shown.*

*All are welcome.*

WHEN: 11 September 2003 (Thursday), 12.30pm-1.30pm

WHERE: Room 3.01

## About the Speaker

Dr. *Lai Weng Kin* obtained his PhD (University of Auckland, New Zealand) in Electrical & Electronics Engineering, specializing in artificial neural networks (ANN) for engineering applications. He is currently the Head of the *Advanced Information Processing Research Group* at MIMOS.

Dr. Lai is a **Member** of IEE(UK), **Senior Member** of IEEE(US), and a registered Chartered Engineer with the *Engineering Council* (UK). He is also an active member of the IEE (Malaysia Center) Committee for 2003/2004 and the Chairman for the *Newsletter Subcommittee*. In addition, he is a technical reviewer for IEEE's *Transactions on Pattern Recognition & Machine Intelligence (PAMI)*, *Transactions on Vehicular Technology (VT)*, and a member of the Editorial Board for the *International Journal on Computers & Electrical Engineering*. His research interests include artificial neural networks, genetic algorithms, swarm intelligence/multi-agents, information retrieval, channel assignment for cellular networks, and biometrics. He can be contacted at *lai@mimos.my*.