

BRIEF BIO-DATA

PROFESSOR MOHAMED RIDZA WAHIDDIN, KMN, FIPM

Mohamed Ridza bin Wahiddin obtained his BSc (Hon), MSc and PhD degrees from UMIST, U.K. in physics. Upon completion of his PhD he returned to Malaysia in August 1989 and took up a lecturer position at the University of Malaya. For his outstanding pioneering work in quantum optics in Malaysia he received the 1994 National Young Scientist Award by the Malaysia Ministry of Science, Technology & Environment. He was the Vice-President of the Malaysian Mathematical Society for the period 1997-1999.

On 1st June 2001 Dr. Mohamed Ridza left University of Malaya to establish the Kulliyah of Science at the International Islamic University Malaysia (IIUM). He was the Deputy Dean (Academic Affairs) for the period 1 July 2002 - 30 June 2004, and later the Deputy Dean (Academic Affairs) at the Centre of Postgraduate Studies for the period 1 July 2004 – 30 June 2005. On the 10th December 2004 UMIST awarded him the higher doctorate degree of Doctor of Science (DSc) for his contributions to the advancement of knowledge in the field of Quantum Optics. He sits in the IIUM Senate since 2004.

For the period 1 June 2005 – 30 June 2011 he has been on secondment from IIUM to MIMOS Berhad (MIMOS) to lead the Cyber Security R&D for National Security especially in Quantum Cryptography. He has led the National Cyber Security Policy Thrust Five: 'R&D for Self-Reliance' resulting in the First and Second editions of the National Cyber Security R&D Roadmap for Self-Reliance, and has also established state-of-the art quantum cryptography laboratories in MIMOS and IIUM. He was a member of MIMOS Senior Leadership Team for the period January 2007 – June 2011.

He is instrumental to position MIMOS as the first and active Asian member of the World's first Quantum Cryptography Standards initiated by the European Telecommunications Standards Institute (ETSI); a rapporteur for one of the work items namely Security Proofs. He is the architect to successfully demonstrate the first Proof of Concept: Five Node Quantum Cryptography Network in South East Asia (Japan successfully demonstrated their network in October 2010), and this was made public during his Invited Talk at the International Conference on Quantum Optics and Quantum Computing in Noida, India, 24-26 March 2011.

In September 2011 the Information Security Lab (as the reference cite) under his leadership has successfully enabled MIMOS to be certified by Software Engineering Institute, Carnegie Mellon

as People CMM v2.0 (Staged): Maturity Level 3; the first in ASEAN. He is MIMOS Best Innovator for 2007 and recipient of MIMOS Innovator Award (2011) in conjunction with MIMOS 25th Anniversary.

Dr. Ridza has delivered invited talks in several local and overseas conferences, has sixteen (16) patents on filing, two granted, has co-authored three scientific books published by the IIUM Press and is also an editor of ISI-indexed Applied Mathematics and Information Sciences journal.

He is an Honoree of the 2009 Asia Pacific Information Security Leadership Achievement from (ISC)2 - Senior IT Security Professional Category. He is the recipient of the Cyber Security Malaysia Awards 2010: (i) Information Security Visionary of the Year (CXO of the Year) and (ii) MOSTI Deputy Minister's Award. Very recently he is unanimously voted as one of the most outstanding ASEAN Chief Security Officers (CSO) for the year 2011.

Presently Dr Ridza is a Professor at the Department of Computer Science, IIUM, Dean of Research Management Centre, IIUM and is also the first MIMOS Associate Scientist.