



الجامعة الإسلامية العالمية ماليزيا
INTERNATIONAL ISLAMIC UNIVERSITY MALAYSIA
يُونُسُ رُسُلَتِي: اسْلَاؤُهُ اَنْبَارٌ اَبْجَدِيًّا مَلِكِيًّا



Press Release

For Immediate Release

MIMOS AND IIUM TO FURTHER ENHANCE RESEARCH CAPABILITIES IN INFORMATION SECURITY TECHNOLOGIES

Cyberspace Security Laboratory to develop a Quranic element-based cipher and locally developed security protocol devices

Kuala Lumpur, 23 June 2009 – MIMOS and International Islamic University Malaysia (IIUM) today signed a Memorandum of Agreement (MoA) to develop a Quranic element-based encryption algorithm at the MIMOS-IIUM Cyberspace Security Lab.

Slated for completion next year, the Quranic element-based encryption algorithm will enable users to protect confidentiality of data residing on computers.

According to Dato' Wahab Abdullah, President and CEO, MIMOS, there is an urgent need for Malaysia to develop domain experts in encryption algorithm design which is still lacking in Malaysia and worldwide.

The experience in designing encryption algorithm at the MIMOS-IIUM Cyberspace Security Lab is aimed at creating awareness on the issues and methods to achieve uncompromising security performance.

MIMOS also entered into another MoA with IIUM to carry out extension work to explore new research opportunities in the field of information security and further capitalise on each other's strengths in information security.

"With export control imposed on quality information security products, Malaysia has no choice but to embark on the path of self reliance in cyberspace security," said Dato' Abdul Wahab.

The enhanced research collaboration between MIMOS and IIUM in information security is aimed a developing:

- Ultra secure encryption key management
- Indigenous encryption algorithms
- Hardware encryption modules

The collaboration will see the deployment of locally developed security protocol in a real-world environment setting to test its security level. Under the agreement, home-grown devices, which include components in end-to-end communication systems, will also be developed to increase the number of locally produced security protocols to complement existing foreign protocols.

The IIUM-MIMOS Cyberspace Security Lab, established in October 2006, was initiated especially to promote human capital development and pioneer cutting-edge information security research in the country. The applied research activities undertaken at the lab has resulted in end-to-end ultra-secure communication systems.

“The Cyberspace Security Lab, which focuses on applied research in Cyberspace Security technologies for e-Sovereignty and commercial applications is well positioned to be recognized as Malaysia’s Centre of Excellence in Information Security,” said Dato’ Abdul Wahab.

The IIUM-MIMOS Cyberspace Security Lab is equipped with state-of-the-art facilities and equipment including an optical table with automatic pneumatic leveling system; measurement equipments; optics and electronics devices; test equipments; an air shower and electronic benches to support the experiments and related projects.

MIMOS also jointly developed by applied research body Mimos Bhd, the International Islamic University of Malaysia (IIUM) and the Malaysian Administrative Modernisation and Management Planning Unit, IslamGrid will use the KnowledgeGrid’s infrastructure to collect,store and disseminate information about the religion

- Ends -

Note-to-Editor

MIMOS is known as MIMOS and not Malaysian Institute of Microelectronic Systems.

About International Islamic University (IIUM)

The International Islamic University Malaysia (IIUM) was established in 1983 by the Government of Malaysia and cosponsored by a number of Muslim governments. Using English as a medium of instruction, the university currently serves as an institution of higher

learning with international students from more than 90 countries.

The Faculty of Engineering was established in 1994, and is currently offering Bachelor, Master and PhD programs in the area of Mechatronics, Aerospace , Automotive , Biotechnology, Communication, Computer and Information , Manufacturing, and Materials Engineering. College of Engineering of IIUM has active research groups like MEMS and NEMS, Precision Engineering and Micro Machining groups.

About MIMOS

MIMOS is the premier applied research centre in frontier technologies aimed at growing globally competitive indigenous industries. MIMOS pursues exploratory and industry-driven applied research through multi-stakeholder smart partnerships with local and international universities, research institutes and industries and the Malaysia Government with a focus on frontier technologies. MIMOS' applied research / technology areas are refined into seven (7) technology clusters - Knowledge Grid, Knowledge Technology, Information Security, Wireless Communications, Micro Energy & MEMS, Advanced Informatics and Nano Clusters.

MIMOS' focus is on driving globally recognized Centres of Excellence to promote and license MIMOS technologies or IPs to qualified indigenous ICT companies to strengthen their abilities to compete globally and move Malaysian ICT industry higher up the value chain.

MIMOS is the recipient of two (2) National Intellectual Property Award 2009 under the 'Trademark' and 'Industrial Design Award' categories and three (3) Malaysia Good Design Mark Awards 2008 under the 'Media and Home Electronics' category. The organisation also won the Asia HRD Congress 2008 Award under the 'Contribution to the Organisation' category for outstanding contribution to the field of Human Resource Development and the Frost & Sullivan's Growth Excellence Award 2007 for Industry Innovation & Advancement (Precision Agriculture) for its application and development of Micro Electro Mechanical System (MEMS) in the field of precision agriculture.

###

Media Contacts

Tina Suryani Melan

MIMOS Berhad
+60.3.8995.5246 / +60.12.340.1108
tina.suryani@mimos.my

Amal Koay / Ferina Manecksha

Hill and Knowlton for MIMOS
+60.3.2026.0899
+60.12.377.9414 / +60.12.329.2558
amal.koay@hillandknowlton.com.my
ferina.manecksha@hillandknowlton.com.my

Public Relations Office

International Islamic University Malaysia (IIUM)

Shrizad bt. Sa-idul Haj

+60.3.6196.5881
+60.13.606.5079