

International Islamic University Malaysia (IIUM) and MIMOS in Research Collaboration
MIMOS-IIUM Cyberspace Security Laboratory to focus on cyberspace technologies for e-Sovereignty

- What:** Signing ceremony between IIUM and MIMOS to formalise the partnership for a research collaboration on cyberspace security technologies for e-Sovereignty
- Why:** To expand MIMOS researchers through smart partnerships with IIUM for strategic human capital development, research and knowledge advancement and curricula development
- How:** Establishment of MIMOS-IIUM Cyberspace Security Laboratory for development on cyberspace technologies for e-Sovereignty
- Who [Signatories]:** Professor Dato' Dr Syed Arabi Iddid,
Rector,
International Islamic University Malaysia
- Abdul Wahab Abdullah,
President & Chief Executive Officer,
MIMOS

Petaling Jaya, Malaysia, 20 October 2006 – International Islamic University Malaysia (IIUM) has entered into a strategic partnership with MIMOS for a research collaboration focusing on cyberspace technologies for e-Sovereignty.

The strategic partnership is a demonstration of MIMOS commitment to enhance human capital development, research & knowledge advancement and curricula development.

Under the partnership, IIUM and MIMOS will conduct enhanced applied research in four technologies namely Information Security, , Grid Computing & Bioinformatics, , Microelectronics, and Language & Learning technologies.)

“The collaboration with MIMOS is a win-win partnership for both parties providing an expanded pool for both our researchers to leverage for transfer knowledge and technology,” said Professor Dato' Dr Syed Arabi Iddid.

“This strategic partnership underscores MIMOS commitment to partner and collaborate with educational institutions, multinational companies and research organizations towards driving industry standards and technology convergence,” added Wahab.

The partnership is expected to result in:

- Creation of new curriculum for post-graduate level training in four (4) applied research areas - Information Security, , Grid Computing & Bioinformatics, , Microelectronics and Language & Learning technologies.

- Creation of expertise in the technology areas including more PhD and/or Masters qualification.
- Creation of Intellectual Properties (IPs) in four (4) applied research areas - Information Security, , Grid Computing & Bioinformatics, , Microelectronics, and and Language & Learning technologies.
- Professional Programmes development such as Cyberspace Security standards or training.
- Development of a new partnership model of University-Industry in Malaysia.

MIMOS-IIUM Joint Cyberspace Security Laboratory

The IIUM-MIMOS partnership also includes the establishment of a Cyberspace Security Laboratory located at IIUM's campus in Gombak.

The laboratory, which will focus on applied research in Cyberspace security technologies for e-Sovereignty, is the result of intensive two (2) year research collaboration in the area of information security.

Malaysia's first homegrown encryption protocol

The joint applied research effort has resulted in Malaysia's first homegrown encryption protocol codenamed the 6DP. The 6DP is analogous to the RSA algorithm for public-key encryption and the Advanced Encryption Standard (AES) encryption. The new protocol capitalizes on the properties of light (optics) to offer unconditional security bypassing those of RSA and AES. It is a result of hard work between MIMOS and IIUM researchers.

A signing ceremony to mark the formalisation of the strategic partnership between IIUM and MIMOS was held in Petaling Jaya today. Signing on behalf of IIUM was its Rector, Professor Dato' Dr Syed Arabi Idid, while MIMOS was represented by its President & Chief Executive Officer, Abdul Wahab Abdullah.

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