

Headline	<b>MIMOS seals research collaborations in microelectronics...</b>		
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## MIMOS Seals Research Collaborations In Microelectronics & Optoelectronics

Research collaborations with three Indonesian universities



Done Deal: From Left (seated): Professor Dr Ridza Wahidin, Head, Information Security Cluster, MIMOS (witness); Dato' Abdul Wahab Abdullah, President & CEO MIMOS (signatory); Prof. Dr. Emmy Suparka, Deputy Rector, Research, Innovation and Partnership, ITB (signatory); and Dr. Ir. Suhartono Tjondronegoro, Deputy Dean, Academic, ITB (witness) at the signing ceremony; while Minister of Science, Technology & Innovation, Datuk Dr Maximus Ongkili (standing left) and Indonesia's Minister of Research and Technology (RISTEK) Professor Dr Kusnayanjo Kadiman look on.

MIMOS, a strategic agency under the Ministry of Science, Technology & Innovation (MOSTI), recently sealed research collaborations with three Indonesian universities for research collaborations in microelectronics and optoelectronics for use in information

security. The research collaborations further strengthens MIMOS' network of dedicated partners and provides MIMOS with the opportunity to further extend its pool of virtual researchers.

"Our collaboration with the three

Indonesian universities further extends MIMOS' pool of virtual researchers and empowers MIMOS' researchers in undertaking market driven strategic applied research aimed at growing globally competitive indigenous industries and building technology competencies in driving Centres of Excellence in frontier technologies," said MIMOS President & Chief Executive Office, Dato' Abdul Wahab Abdullah.

The three universities include Institut Teknologi Bandung (ITB), Bandung, Institut Teknologi Sepuluh Nopember (ITS), Surabaya and Universitas Indonesia. ITB will focus on radio frequency, fast electronics and semiconductor technology, design and fabrication to develop collaborative

projects in photonic technology based information security. MIMOS and ITB are currently in discussion on design for photo detector electronics and design for light polarization state controller projects.

ITS will focus on the field of theoretical and experimental physics and engineering physics. Two projects in the pipeline currently are non-linear optics and design for low-signal optical switching projects. Universitas Indonesia will include non-invasive fringing-electric-field (FEF) moisture sensors (for detection of moisture levels), humidity sensors (for detection of humidity levels) and Micro Electro Mechanical System (MEMS) spectrometers (for detection of chemicals in air and soil nutrients).