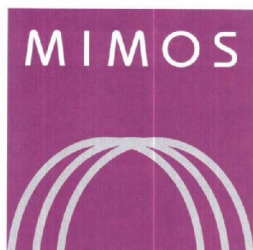


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MIMOS & UniMAP In Collaboration To Develop MEMS Sensors For Aquaculture

Sensors to be used for environmental monitoring



MIMOS and Universiti Malaysia Perlis (UniMAP) have signed a Memorandum of Agreement (MoA) to formalize a partnership for the development of Micro-

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Electro-Mechanical Systems (MEMS) sensors for environmental monitoring in aquaculture.

The collaboration will see the development of MEMS sensors connected to the wireless sensor networks to promote the aquaculture sector by monitoring levels of water pollution such as nitrate, dissolved oxygen and ammonia and other by-products of agriculture.

The collaboration with UniMAP complements MIMOS' existing applied research in MEMS sensors.

MIMOS applied research in MEMS, one of eight applied research areas, involves exploring microfluidics and complementary metal-oxide-semiconductor (CMOS) sensing technologies for developing MEMS-based applications and solutions.

Under the agreement, MIMOS and UniMAP will set up a Centre of Excellence (CoE) in the area in tandem with the Northern Corridor initiative in agriculture industry.

The MEMS technology lab at MIMOS is also currently working with Universiti Putra Malaysia

in the area of sensor validity to build tacit knowledge for farming. MIMOS is also in collaboration with Universiti Kebangsaan Malaysia in developing sensors for plantation and green house farming.

MIMOS' collaboration with universities is part of its effort to assemble a team of virtual researchers and create domain experts in specific areas. Ultimately, the collaboration between MIMOS and UniMAP is expected to result in the advancement of aquaculture through the use of enabling technologies of MEMS wireless sensor.