



MEDIA RELEASE FOR IMMEDIATE RELEASE

29 September 2014

A*STAR'S INSTITUTE OF MICROELECTRONICS AND MURATA COLLABORATE TO ADVANCE MEMS TECHNOLOGY

The two organisations will jointly develop micro-electro-mechanical systems (MEMS) for a myriad of industries

Singapore - A*STAR's Institute of Microelectronics (IME) and Murata Manufacturing Co., Ltd. (Murata), a leading manufacturer of electronic components and solutions, are collaborating to develop more advanced micro-electro-mechanical systems (MEMS).

This is one of Murata's largest research and development tie-ups outside Japan. By partnering with IME, it aims to develop new capabilities in MEMS devices to enable smaller, more powerful and more affordable devices for the consumer, healthcare and industrial sectors.

MEMS are miniaturised electro-mechanical elements fabricated utilising the semiconductor-like process technology. Responsible for sensing, controlling and activating mechanical systems of a micro scale, MEMS is an essential technology for electronic devices such as mobile devices, automotive systems and gaming consoles.

The partnership will draw on IME's state-of-the-art research facilities and established capabilities in MEMS process platforms, and Murata's expertise in developing, manufacturing and supplying electronic components.

Murata has been collaborating with IME since 2012 when it joined an industry consortium to elevate Singapore's capability in MEMS manufacturing.

“This partnership will fuse IME's R&D expertise with Murata's wealth of industry experience to catalyse the development of more advanced and commercially-ready MEMS for powering the next generation of electronic devices,” said Professor Dim-Lee Kwong, Executive Director of IME.

“We are very pleased to collaborate with A*STAR IME which has innovative MEMS technology and experience,” said Mr Satoshi Sonoda, Senior Vice President of Device Business Unit, Murata. “We hope we can accelerate the development, and take off quickly through the collaboration.”

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About the A*STAR Institute of Microelectronics (IME)

The Institute of Microelectronics (IME) is a research institute of the Science and Engineering Research Council of the Agency for Science, Technology and Research (A*STAR). Positioned to bridge the R&D between academia and industry, A*STAR IME's mission is to add value to Singapore's semiconductor industry by developing strategic competencies, innovative technologies and intellectual property; enabling enterprises to be technologically competitive; and cultivating a technology talent pool to inject new knowledge to the industry. Its key research areas are in integrated circuits design, advanced packaging, bioelectronics and medical devices, MEMS, nanoelectronics and photonics.

For more information on IME, please visit www.ime.a-star.edu.sg.

About the Agency for Science, Technology and Research (A*STAR)

The Agency for Science, Technology and Research (A*STAR) is Singapore's lead public sector agency that fosters world-class scientific research and talent to drive economic growth and transform Singapore into a vibrant knowledge-based and innovation driven economy.

In line with its mission-oriented mandate, A*STAR spearheads research and development in fields that are essential to growing Singapore's manufacturing sector and catalysing new growth industries. A*STAR supports these economic clusters by providing intellectual, human and industrial capital to its partners in industry.

A*STAR oversees 18 biomedical sciences and physical sciences and engineering research entities, located in Biopolis and Fusionopolis, as well as their vicinity. These two R&D hubs house a bustling and diverse community of local and international research scientists and engineers from A*STAR's research entities as well as a growing number of corporate laboratories.

For more information on A*STAR, please visit www.a-star.edu.sg.

About Murata

Murata Manufacturing Co., Ltd. is a worldwide leader in the design, manufacture and sale of ceramic-based passive electronic components & solutions, communication modules and power supply modules. With annual revenues of ¥846 billion (~8.4B USD) , Murata is committed to the development of advanced electronic materials and leading-edge, multi-functional, high-density modules. The company has employees and manufacturing facilities throughout the world.

For more information on Murata, please visit www.murata.com.