

MEDIA RELEASE

A*STAR INSTITUTE OF MICROELECTRONICS PARTNERS DELTA NETWORKS TO DEVELOP NOVEL MTM ANTENNA TARGETED FOR HIGH PERFORMANCE WIFI APPLICATION

1. Singapore, 2 August 2012 – A*STAR Institute of Microelectronics (IME), has signed a research collaboration agreement with Delta Networks, Inc. (Delta), a global leader in power, thermal management solutions and networking products, to develop a metamaterial (MTM) antenna for wireless application that offers improvements in performance with reduced power and cost.

2. IME researchers will take advantage of the unique properties of meta-materials to develop a novel antenna which offers improvements in gain and radiation efficiency, and reduction in power consumption and fabrication costs, while meeting demanding requirements for small form factors at the same time. The collaboration will leverage IME's expertise to develop design techniques that are compatible with next generation wireless technology for high performance networking products, handheld devices and explore new wireless applications in fields such as medical and automotive.

3. "This collaboration with Delta is of strategic importance to our research and development in advanced electronics," commented Professor Dim-Lee Kwong, Executive Director of IME. "The synergy of Delta's expertise and our engineering and scientific capabilities will result in novel technology that enables Delta to move into new markets more rapidly."

4. "The proliferation of new Internet-based applications is pushing the need for networking products that deliver faster speeds over larger areas with greater reliability," said Victor Cheng, Chairman of Delta Networks, Inc. "Leveraging IME's exceptional research strength will enable us to develop innovative solutions to meet the increasing demands of performance in antenna technology."

About the 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, 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, visit IME on the Internet: <http://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 the lead agency for fostering world-class scientific research and talent for a vibrant knowledge-based and innovation-driven Singapore. A*STAR oversees 14 biomedical sciences, and physical sciences and engineering research institutes, and seven consortia & centre, which are located in Biopolis and Fusionopolis, as well as their immediate vicinity. A*STAR supports Singapore's key economic clusters by providing intellectual, human and industrial capital to its partners in industry. It also supports extramural research in the universities, hospitals, research centres, and with other local and international partners.

About Delta Electronics, Inc.

Delta Group, founded in 1971, is the global leader in power and thermal management solutions. Our mission statement, "To provide innovative, clean and energy-efficient solutions for a better tomorrow," focuses our role in addressing key environmental issues such as global climate change. As an energy-saving solutions provider, Delta's businesses encompass power electronics, energy management, and smart green life. Delta has sales offices worldwide and manufacturing facilities in Taiwan, China, USA, Europe, Thailand, Japan, India, Mexico, and Brazil.

In 2011 Delta was named to two Dow Jones Sustainability Indexes (DJSI): the DJSI World Index and the DJSI Asia/Pacific Index. Delta was also recognized as a Sustainable Asset Management (SAM) "Gold Class Company" and "Sector Mover" in the 2012 Sustainability Yearbook of SAM.

Delta Networks, Inc. is a leading ODM, original design manufacturer, of networking communications equipment. Once the Networking Business Unit of Delta Electronics, Delta Networks has been dedicated to developing networking products since 1989. Delta Networks became an independent corporation in 1999 with worldwide sales offices, R&D Development Centers, and Manufacturing plants in Taiwan and mainland China.

Media Contact:

For IME

Cindy Chew

Institute of Microelectronics

DID: +65 6770 5375

Email: chewwfc@ime.a-star.edu.sg

For Delta

Maggie Hsia

Delta Electronics, Inc.

Tel: 886-2-87972088 ext.5523

Email: maggie.hsia@delta.com.tw