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Emerging Micro and Nano Level Technologies Showcased by Indian Head Division, Naval Surface Warfare Center

More than 150 attendees learn about licensing and commercialization opportunities with the Indian Head Division, Naval Surface Warfare Center

Indian Head, Md. (June 25, 2009) – More than 130 entrepreneurs and business executives learned today how they can capitalize on cutting-edge Micro Electronic Mechanical Systems (MEMS), nanotech, and material science technologies developed at the Indian Head Division, Naval Surface Warfare Center (IHDIV, NSWC). The event, **“Sensors, Nanotechnologies, Protective Coatings and More: An Explosion of Technologies and Partnering Opportunities,”** which was supported by the Maryland Technology Development Corporation (TEDCO), highlighted more than 17 technologies available for licensing and commercialization. The event took place at the Pavilion just outside the Naval Surface Warfare Center at Indian Head.

During the showcase, IHDIV also signed a Patent License Agreement with NextGen Containers, of Birmingham, Ala., for its Joint Modular Intermodal Container (JMIC) technology. The licensing agreement allows for collaboration opportunities with other companies as additional fields of use for JMIC are identified. These opportunities were also presented as part of the days events.

“Business leaders and entrepreneurs have come from all over the region to learn about the vast technologies being developed at Indian Head Division, Naval Surface Warfare Center and we are pleased to be able to contribute to the creation of new products for Maryland’s technology industry,” said Dr. J. Scott Deiter, director of the technology transfer office at IHDIV, NSWC. “We are pleased to work with TEDCO to promote the commercialization of our technologies and we are eager to see more of our innovations transfer to the marketplace.”

“Today’s showcase was particularly exciting for TEDCO because it highlighted our ability to facilitate technology based economic development that ultimately benefits Maryland,” said Renée Winsky, president and executive director of TEDCO. “The slate of technologies presented and the companies eager to collaborate with Indian Head Division can work together to fulfill the needs of the Department of Defense and expand our economy. TEDCO is pleased to once again support Indian Head’s efforts and our mutual goal of bringing innovative technologies into the marketplace.”

During the day-long event, attendees received information about the world-class research taking place at IHDIV, NSWC, and learned about the licensing process and possible collaborative research opportunities. Select technologies presented by researchers included:

- *Self-Regulating Power Supply for Micro Electronic Mechanical Systems (MEMS)* – An innovation that uses material characteristics off an actuator to control displacement and continuously calculate resistance of the actuator.
- *Flow Driven Piezoelectric Energy Harvesting Device* – A IHDIV, NSWC technology that scavenges electrical power from the natural environment by means of vibration and flow to reduce or eliminate battery requirements, cabling and house power.
- *Novel Lightning Locating System* – A technology that locates the direct location of lightning with superior accuracy and detects the amount of damage.

The Maryland Technology Development Corporation (TEDCO), an independent entity, was established by the Maryland General Assembly in 1998 to facilitate the creation of businesses and foster their growth in all regions of the State. TEDCO's role is to be Maryland's leading source of funding for seed capital and entrepreneurial business

assistance for the development, transfer and commercialization of technology. TEDCO connects emerging technology companies with federal laboratories, research universities, business incubators and specialized technical assistance. For the fifth consecutive year, TEDCO was recognized as the most active seed/early-stage investor in the nation in the August 2008 issue of Entrepreneur magazine and received the national Excellence in Technology-Based Economic Development award from the State Science and Technology Institute (SSTI) for the Maryland Technology Transfer Fund (MTTF) program in October 2008. For more information on TEDCO and its programs and resources, visit www.MarylandTEDCO.org.

Indian Head Division Naval Surface Center (IHDIV, NSWC) is a Department of Defense (DoD) Energetics Center and Navy laboratory that specializing in the research and development of energetic materials (explosives, propellants, and pyrotechnics) for the DoD. IHDIV, NSWC is the only facility with the comprehensive capability to research, develop, scale-up, manufacture and support any type of energetics for the DoD. For more information, visit www.ih.navy.mil.

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