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TARDEC to Participate in NDIA Ground Vehicle Systems Engineering and Technology Symposium

DETROIT ARSENAL, WARREN, MI — The U.S. Army Tank Automotive Research Development and Engineering Center (TARDEC) is participating in the first Ground Vehicle Systems Engineering and Technology Symposium (GVSETS) to be held Aug. 18-20, in Troy, MI, and at the Detroit Arsenal.

The National Defense Industrial Association (NDIA) Michigan Chapter is hosting the event to engage government, industry and academia participants in active working sessions to learn about the latest developments in ground vehicle systems engineering and technology for warfighters, and to learn what technical capabilities are being sought in the private sector.

“This symposium takes a systems engineering approach to the technology workshops,” announced TARDEC Director Dr. Grace M. Bochenek. “This new event is strategically in line with the Army’s enterprise-level approach to doing business.”

The event begins Aug. 18 with day guest speakers offering the Army’s perspectives on current and future technology needs at a general session. Aug. 19-20 there are five mini-symposia participants can choose to attend.

Each mini-symposium will have its own architecture, including speakers, paper presentations and working discussions. The Engineering Society of Detroit (ESD) sponsored a “Call for Papers” to support GVSETS topics:

- Power and Energy — The theme is *Energy Efficiency Today, Tomorrow and Beyond Tomorrow*, and the sessions will include topics such as energy efficiency, batteries, and power and thermal management (micro-grid).
- Robotics Systems — This session will address key life cycle and technical challenges for current and future fielded robotic systems. The challenges will be grouped into four categories: perception and intelligence, command and control, platforms and payloads, and sustainability and systems engineering.
- Modeling and Simulation, Testing and Validation — This session will address current developments in M&S technology as applied to military ground vehicle systems engineering in several application domains, including performance, durability and

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reliability, mobility, thermal modeling, distributed simulation, optimization, testing and validation.

- Survivability — Due to its classified nature, this session will be held at a government facility to be announced later.
- Vehicle Electronics and Architecture — This seminar will address areas such as Condition-Based Maintenance Plus; Emerging Trends in Software and Hardware Architecture for Military Ground Vehicles; and Networks and Battle Command.

The “Call for Papers” deadline is May 30. For more information on submitting papers, visit the ESD’s web site at: <http://ww2.esd.org/EVENTS/2009/2009-NDIA.htm>. For more information on GVSETS, please visit the NDIA Michigan Chapter’s Web site at: <http://www.ndia-mich.org/>.

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TARDEC is the Nation’s laboratory for Ground Systems Integration to ensure U.S. Soldiers continue to be the best-equipped and most lethal, survivable and sustainable fighting force on Earth. For additional information or to schedule an interview with a TARDEC subject-matter expert, please contact Bill Dowell at (586) 574-6683, william.dowell2@us.army.mil.