



Underwater Acoustics For Test and Evaluation (T&E) Track II

April 26, 2012

Penn Stater Conference Center

Session Chair: *Dr. Jim Galambos*

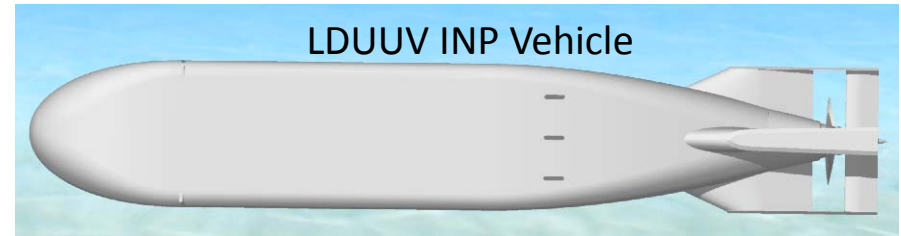
Welcome ITEA Members and Guests



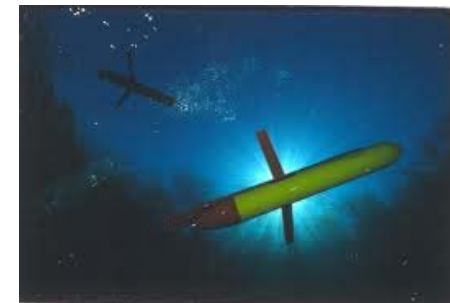
Unmanned Underwater Vehicles



- UUV's are here and growing
 - Establish Navy Program office PMS 406 under Capt. Ashton
 - ONR Innovative Naval Prototype Program underway Mr. Dan Deitz
 - Surface Mine Countermeasure Program awarded to General Dynamics
 - Multiple programs for large and small UUV's and gliders at NAVOCEAN



Surface Mine Countermeasure UUV



Glider



T&E Challenges and Opportunities



- UUV's are here and growing...
- But they need a lot of work
 - Reliability
 - Signatures
 - Launch and recovery
 - Payloads
 - Endurance
- But they can also be part of T&E portfolio...
 - UUV's as target & weapon simulators
 - UUV's as platforms for T&E sensors





Underwater Acoustics for T&E

Track 2: Unmanned Underwater Vehicles



- 1:00 pm – 1:15 pm Moderator: **Dr. James Galambos**
Associate Director, Advanced Technology Office, Applied Research
Laboratory, The Pennsylvania State University
- 1:15 pm – 1:45 pm *TENA in a Resource Constrained Environment (TRCE) -
Enterprise Interoperability that Supports the Undersea T&E
Environment*
Mr. Thomas Treacle, Principal Engineer, Senior Technical Manager
SAIC, Applied Sim & Information Technology Division
- 1:45 pm – 2:15 pm *UUV and Sensor Health Monitoring*
Mr. Daniel Brown, R&D Engineer, Sonar Research and Development
Division, Advanced Technology Office, Applied Research Laboratory, The
Pennsylvania State University
- 2:15 pm – 2:45 pm *Acoustic Stimulation Test System (ASTS) for UUVs*
Mr. Steven Barnett, R&D Engineer, Torpedo Systems Division, Undersea
Weapons Office, Applied Research Laboratory, The Pennsylvania State
University