

IEEE International Conference on Technologies for Practical Robot Applications (TePRA)

November 9-10, 2009, Holiday Inn Select, Woburn, Massachusetts, USA




Website: www.ieeerobot-tepra.org Email: info@ieeerobot-tepra.org




Conference Chair: **Helen Greiner**, CEO, The Droid Works, Inc

TePRA is aimed at catalyzing the development of enabling technologies and encouraging their adoption by robot designers. Please see the conference website for further details.

2009 TePRA will feature 8 technical sessions with 39 presentations, a student competition sponsored by iRobot, robot demonstrations, keynote speakers and a panel discussion chaired by Helen Greiner, The Droid Works, Inc.

Plenary Speakers:

 <p>Jim Overholt Acting Director, Joint Ground Robotics Enterprise for OSD</p>	<p>Dr. Jim Overholt has is the Director, Joint Center for Robotics (JCR) at U.S. Army RDECOM-TARDEC. Dr. Overholt was named the Director of the newly formed Joint Center for Robotics (JCR) in October 2006. The JCR has been providing S&T guidance to the Robotics Systems Joint Project Office (RS-JPO) and the OSD Joint Ground Robotics Enterprise (JGRE), as well as establishing a portfolio of programs that look to rapidly transition robotics technology into the hands of the soldier.</p> <p>In June 2008, Dr. Overholt was named to the Board of Directors of the Association of Unmanned Vehicle Systems International (AUVSI). Dr. Overholt was recently named the Acting Director of the Joint Ground Robotics Enterprise (JGRE) for OSD and assumed that role on 1 November 2009.</p>
 <p>Ben Riley</p>	<p>Mr. Riley is the Director of the Rapid Reaction Technology Office and Chairman of the Combating Terrorism Technology Task Force. In this position he interacts and coordinates with both DoD commands and organizations and other government departments on identifying technologies for combating terrorism operations.</p>
 <p>Col. Barry L. Shoop USMA</p>	<p>Colonel Barry L. Shoop is Professor of Electrical Engineering and Deputy Head of the Department of Electrical Engineering and Computer Science at the United States Military Academy at West Point. He has served in a number of leadership positions including Director of the Electrical Engineering Program and Director of the Photonics Research Center. In 2006, Colonel Shoop served as the first Science Advisor to the Director and Chief Scientist for the Joint IED Defeat Organization. Professor Shoop has been active in the IEEE, serving as the Chair of the Mid-Hudson Section, Director of Region 1, and member of the IEEE Board of Directors from 2006 – 2009.</p>

 <p>Kevin Blankespoor Boston Dynamics</p>	<p>Kevin Blankespoor is the Chief Engineer for the Bigdog Program. He's developed and implemented many of the controls algorithms currently used by the platform. He's also worked as a servo engineer in the hard disk drive industry and as a mechanical engineer in the automation industry. He holds a MEEE from the University of Colorado and a BSME from the University of Virginia.</p>
 <p>Steve Roux Senior Group Leader, Reticle Positioning, ASML, Inc.</p>	<p>Steve Roux manages a team of systems engineers, mechatronics/servo control experts, mechanical, materials science and electrical engineers as well as project managers responsible for Reticle Stage development at ASML. In 1997 he joined SVG Lithography and went from using Lithography tools in his daily work to designing subsystems for these fascinating machines. In 2001 ASML and SVG merged and the company is currently in a dominant position in this vital photolithography market, supplying the tools needed to constantly shrink features on integrated circuits keeping Moore's Law alive. Steve Roux is named as inventor or co-inventor on 28 US patents and numerous foreign patents.</p>
 <p>Charles Remsberg, CEO, Hocoma, Inc</p>	<p>Charles Remsberg is the CEO for Hocoma Inc, the leader in robotic rehabilitation therapy for neurological movement disorders. He is a recognized thought leader in the rehabilitation medical device market. Charles was also instrumental in the development of Biodex Medical Systems, a market leader for physical medicine and rehabilitation devices holding several senior management roles. He currently serves as a board member for the Swiss-American Chamber of Commerce here in Boston; as well as an active member of the MassTLC Robotics Cluster.</p>

Please see the conference website for further details and registration information.

Technical Program Chairs

Michael A. Gennert, Worcester Polytechnic Institute

William R. Michalson, Worcester Polytechnic Institute Conference Secretary