

2012 IEEE International Conference on Technologies for Practical Robot Applications

April 23-24, 2012, Greater Boston Area, USA

www.ieeeroobot-tepra.org

Call for Papers

The 4th Annual IEEE International Conference on Technologies for Practical Robot Applications (TePRA) will be held in the Greater Boston Area, Massachusetts, USA on April 23-24, 2012. TePRA is aimed at catalyzing the development of enabling technologies and encouraging their adoption by robot designers. With an emphasis on practical applications and industrial participation, TePRA provides researchers, innovators, entrepreneurs and robotics professionals with a forum balanced between an academic conference and an exhibition, while presentations are selected through IEEE's rigorous peer-review process.

Past TePRA conferences featured leaders in the field as keynote speakers including **Colin Angle** (iRobot), **Helen Greiner** (CyPhy Works), **Gill Pratt** (DARPA DSO), **Mike Rufo** (Boston Engineering), **Tom Ryden** (Northend Technologies), **Kevin Blankespoor** (Boston Dynamics), **Charles Remsberg** (Hocoma), **Barry L. Shoop** (USMA), **Jim Overholt** (TARDEC), **William Townsend** (Barrett Technology). As an emerging robotics conference, past three TePRA programs included more than 100 technical paper presentations combined, robot demonstrations, student competitions sponsored by iRobot, panel sessions and exhibits. 2012 TePRA Program will feature more than 30 technical presentations, a student competition and the following plenary speakers:

- **Rob Maline**, Director, Joint Ground Robotics Enterprise
- **Mick Mountz**, CEO and Founder, Kiva Systems
- **Jorgen Pedersen**, President and CEO, RE² Inc.
- **Dana Yoerger**, Senior Scientist, Wood Hole Oceanographic Institution

The conference tracks include:

Robot Applications

- Medical & Rehabilitation
- Military & Security
- Actuation & Manipulation
- Consumer & Industrial
- Best Practice Reports

Robot Technologies

- Robust and Reliable Technologies
- Resource Aware Algorithms
- Power & Communications
- Sensing
- Software Development Tools

TePRA Conference Committee invites robotics researchers, developers, engineers, scientists and industry representatives to submit their contributions. Detailed instructions for paper submissions can be found on the conference website. Exhibit and demonstration opportunities are available. TePRA will also feature a college-level student robotics competition for which prizes will be awarded to top teams. More information can be found on the conference website.

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Important Dates

November 15, 2011

Submission of full papers

January 15, 2012

Notification of acceptance

February 15, 2012

Submission of final papers

April 23-24, 2012

4th Annual TePRA

Conference Chairs

Helen Greiner

Founder and CEO, CyPhy Works
Co-founder, iRobot

John Conrad

Textron Defense Systems

Technical Program Chairs

Michael A. Gennert

Worcester Polytechnic Institute

Taskin Padir

Worcester Polytechnic Institute

Conference Secretary

Peter Meyer

Independent Robotics
Consultant

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