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## CALL FOR POSTERS

The IEEE-Robotics and Automation Society at  
the Washington D.C. & Northern Virginia  
Chapter

and

The Electrical & Computer Engineering  
Department at University of Maryland –  
College Park

Invite participants to submit a poster  
for the 2010 Autonomous Robotics  
Best Poster Award contest



**VENUE:** Kim Engineering Bld.(Lobby)  
University of Maryland  
College Park, MD

**DATE:** October 16<sup>th</sup>, 2010 (10AM – 2PM)

**REGISTRATION:** FREE  
Click [HERE](#) (Now Open)

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## IMPORTANT DATES

<b>Submission of extended abstracts for peer- reviewing:</b>	<b>September 3, 2010 (midnight EST)</b>
<b>Notification of Acceptance:</b>	<b>September 17, 2010</b>
<b>Submission of Poster's Electronic File:</b>	<b>October 8, 2010</b>
<b>Poster Presentation:</b>	<b>October 16, 2010</b> (10h00 – 14h00) Every participant will have 15 min. to present his poster to the award committee

**Registration ends September 3<sup>rd</sup>, 2010**

More info. & submission e-mail:  
[ARSC Organization](#)

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## 2010 Autonomous Robotics Best Poster Award



### Scope

The competition will consider generic methodologies and techniques applicable to intelligent autonomous vehicles. These include mobile robots on land, at sea, in air or in space, multi vehicle systems and networks of autonomous vehicles. It will address sensing, sensor integration and perception, architectures, planning, mission and motion control, navigation and cooperative navigation techniques, SLAM, tele-operation, human and vehicle interaction and practical applications.

### Topics

Key topics will include (but not be limited to):

- Architectures for intelligent autonomous systems
- Control, Guidance, and Navigation of autonomous robots (indoors, outdoors, land, air, space, marine): modeling and control, trajectory tracking and path following, navigation systems, planning, recognition, localization, map building, SLAM;
- Sensors and sensor integration in autonomous robots;
- Service and domestic robotics, rehabilitation and biomedical robotics, entertainment robotics, ocean exploration robots;
- Multiple Vehicle Systems and Networks of Autonomous Vehicles: cooperative navigation and control of homogeneous and heterogeneous teams, cooperative control under severe communication constraints and cooperative perception.

### Award Prize

- The winner will receive the “2010 IEEE-RAS W/NV Best Poster Award” at the IEEE Washington D.C. Awards Banquet Ceremony and a monetary prize of USD\$300.00.
- Honorific mentions would be presented by the evaluation committee to all the selected posters

### Rules

- The “2010 AR Best Poster Award” is open to all the academic and professional community in the greater Washington D.C. and Northern Virginia areas. Especial arrangements can be made for participants outside of this region
- Membership to the IEEE-RAS is not required for participation, although a current membership to the IEEE would be enforced if the participant wishes to collect the money portion of the prize
- Work presented previously at any IEEE Conference Proceeding or IEEE Journal can also compete for the award with modifications and/or expansion to the discussed topic. In this case, the original title of the paper, authors, and the IEEE Journal or conference hosting the manuscript must be included in the footnote of the extended abstract
- Extended abstracts must be of no more than 4 pages long and must follow IEEE general conference proceedings guidelines. A sample of an extended abstract can be found in this [template](#).

