# AAAI-2002 Mobile Robot Competition & Exhibition

*July 28 – August 1, 2002*

Collocated with AAAI-02 • Edmonton, Alberta, Canada

www.cs.uml.edu/aaairobot

We would like to invite you to participate in the Eleventh Annual Mobile Robot Competition and Exhibition. The Competition brings together teams from universities, colleges, and research laboratories to compete and to demonstrate cutting edge, state of the art research in robotics and artificial intelligence.

The 2002 Mobile Robot Competition and Exhibition will be held in Edmonton, Alberta, as part of AAAI-02. The dates are 28 July –1 August 2002.

The AAAI 2002 Mobile Robot Competition and Exhibition will include five events: The Robot Challenge, The Rescue Robot Competition, Hors d'oeuvres Anyone?, the Robot Exhibition, and the Mobile Robot Workshop.

## The Robot Challenge

In this event, a robot will start at the entrance to the conference center, need to find the registration desk, register for the conference, perform volunteer duties as required, then report at a prescribed time in a conference hall to give a talk.

## The Rescue Robot Competition

The objective of this contest is to give participants the opportunity to work in a domain of critical practical importance. Robots must enter a fallen structure, find human victims, and direct human rescuers to the victims.

The rules for this event provide for fully autonomous robots, teleoperated robots, and sliding autonomy. The event is being developed in close coordination with experienced rescue professionals. This event will use the joint AAAI/ RoboCup Robot Rescue rules.

## Hors d'Oeuvres Anyone?

This event is designed to support research in human-robot interaction. Robots offer hors d'oeuvres to attendees at the receptions. Each contestant is required to explicitly and unambiguously demonstrate interaction with the spectators. Additional human-robot tasks will be introduced into the event this year.

## The Robot Exhibition

The mission of the Robot Exhibition is to demonstrate state of the art research in a less structured environment. The exhibition gives researchers an opportunity to showcase current robotics and embodied-AI research that does not fit into the competition tasks.

## The Mobile Robot Workshop

On the last day of the conference, a robotics workshop will be held. Teams who receive travel support must attend and present at the workshop. All other participants will be strongly encouraged to attend and present. A research paper will be required within one month after the end of the workshop, and will be published in a proceedings. The purpose of this workshop is to allow researchers to understand and benefit from each other's efforts.

Limited travel funding will be available. The deadline for registering your intent to participate is 1 May 2002.

## Event Organizers

### General Chairs

Holly Yanco, *University of Massachusetts Lowell,* holly@cs.uml.edu

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### Robot Challenge

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### Robot Rescue

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### Hors d'Oeuvres Anyone?

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### Robot Exhibition

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