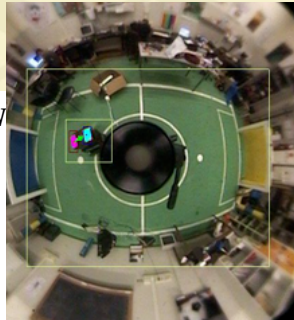SIMPAR 2008 (Int. Conference on Simulation, Modeling, and Programming for Autonomous Robots).

Workshop on Omnidirectional Robot Vision

Co-Chairs:

• Emanuele Menegatti
(University of Padua, Italy)

• Tomas Pajdla
(Czech Technical University in Prague, Czech Republic)

Call for papers/participation

The First Workshop on Omnidirectional Robot Vision will be co-located with SIMPAR 2008 (International Conference on Simulation, Modeling, and Programming for Autonomous Robots).

We invite scientists from omnidirectional vision and robotics communities to attend the workshop on Omnidirectional Robot Vision" and to discuss sensors, algorithms and applications of omnidirectional vision for robotics.

Omnidirectional vision research was always greatly stimulated by mobile robotics and it was finding its major applications there. Recently, a broader community has started working with omnidirectional sensors and commercial applications appeared also in surveillance and automotive industry. We wish to encourage active collaboration of computer vision and robotic researchers to develop more robust, practical and applicable systems in robotics and elsewhere.

A **Special Issue of Robotics and Autonomous Systems** (Journal, Elsevier) based on the workshop papers will be edited after the workshop (Special Issue - Call for Papers)

TOPICS OF INTEREST:
- Omnidirectional sensors for robotics
- Omnidirectional vision for mobile robots, flying robots and manipulators
- Omnidirectional vision for robot navigation and safety
- Omnidirectional vision for multi-robot teams (including RoboCup leagues)
- Omnidirectional visual odometry & SLAM (Simultaneous Localization and Mapping)
- Omnidirectional vision in industrial robotics and automotive industry

PAPER SUBMISSION AND FORMAT

All manuscripts should be prepared according to the instructions provided by the Authors' Area at the conference website. The page limit for the final submission of papers is 12 pages.
Papers in PDF format should be sent to **< emg@dei.unipd.it >**

IMPORTANT DATES:

Deadline for submission of paper:	September 10, 2008
Notification of acceptance:	October 5, 2008
Submission of final camera ready papers:	October 20, 2008
Workshop date:	November 4, 2008

Program Comittee:

Eduardo Bayro-Corrochano, CINVESTAV, Mexico
Ryad Benosman, Univ. of Paris VI, France
Vincenzo Caglioti , Politecnico di Milano, Italy
Stefano Cagnoni, University of Parma Italy
Kostas Daniilidis, University of Pennsylvania, USA
Andrew Davison, Imperial College London, UK
Horst-Michael Gross, University of Ilmenau, Germany
Simon Lacroix, LAAS/CNRS, France

Marc Pollefeys, Inst. of Comput. Sci., ETH Zurich, Swiss
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