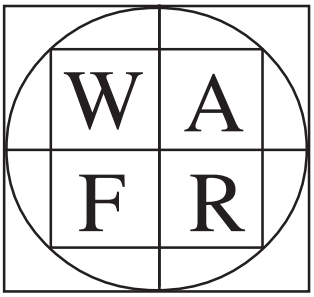
Third International Workshop on the
Algorithmic Foundations of Robotics

March 5–7, 1998
Rice University, Houston, Texas

Call for Papers



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Pankaj K. Agarwal, Duke
Lydia Kavraki, Rice
Matt Mason, Carnegie Mellon

Invited Speakers include:
John Craig, Adept
Bruce Donald, Dartmouth
Herbert Edelsbrunner, UIUC
Leo Guibas, Stanford
Richard Murray, CalTech
Jocelyne Troccaz, Grenoble
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Mark Overmars, Utrecht
Jean Ponce, UIUC
Daniela Rus, Dartmouth
Russell Taylor, Johns Hopkins
Jeff Trinkle, Texas A&M

Scope

Algorithms play a fundamental role in many aspects of robotics. WAFR aims at bringing together a group of about sixty researchers to discuss recent trends and important future directions of research on the algorithmic foundations of robotics. The format of the workshop consists of about 10 talks by key researchers in the field and about 20 contributed presentations in a single track. Topics to be covered include but are not limited to:

- Holonomic motion planning
- Nonholonomic motion planning
- Controllability & planning
- Manipulation
- Grasping & fixturing
- Sensor based planning
- Task level planning
- Assembly planning
- Physically based simulation and animation

Submissions

Authors are invited to submit 4 copies of a full paper by December 1, 1997 to:

Pankaj K. Agarwal
Department of Computer Science
D207, LSRC Building
Durham, NC 27706, USA
pankaj@cs.duke.edu

Authors will be notified of acceptance or rejection by January 15, 1998. Camera-ready copies of the accepted papers are required by February 15, 1998. These will be printed and distributed to the workshop participants. A selected subset of the papers will be published as a book after the workshop.

For more information, contact

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Local arrangements:
http://www.cs.rice.edu/~kavraki/wafr_conference.html