

# WAFR 2006

## New York City, July 16–18

The Seventh International  
Workshop on the  
Algorithmic  
Foundations of  
Robotics

The Workshop on the Algorithmic Foundations of Robotics aims to bring together a group of about sixty researchers to discuss recent trends and important future directions of research on the algorithmic issues related to robotics and automation. The workshop proceedings will be published in a hard-cover volume, and selected papers will be invited for publication in a special issue of the *International Journal of Robotics Research*. Topics of interest include, but are not limited to:

- *foundations*: geometric algorithms, complexity and completeness, controllability
- *motion planning*: (non)holonomic planning, navigation
- *manufacturing*: assembly, grasping and fixturing, manipulation
- *robot design*: minimalist robots, underactuated robots, modular and reconfigurable robots
- *sensing*: simultaneous localization and mapping, vision, sensor-based planning
- *distributed systems*: distributed manipulation, distributed sensing, multi-robot planning
- *applications*: computational molecular and structural biology; virtual environments and games; surgery planning; geographic information systems; sensor networks; simulation, animation, and graphics

WAFR 2006 will be held at the Tribeca Grand Hotel in lower Manhattan. The hotel is located in Tribeca, a neighborhood known for its dining scene and cast-iron buildings. The Tribeca Grand is close to many other vibrant neighborhoods such as Soho, Greenwich Village, Little Italy, and Chinatown, as well as Wall Street and the financial district.

### Tentative dates:

February 15 – submission deadline

May 1 – notification of acceptance

June 1 – final submissions due

### Organizing committee:

Srinivas Akella

Nancy Amato

Wes Huang

Bud Mishra

### For more information:

<http://www.wafr.org/>

