ICRA 2005 Awards

Awards are presented to participants in the IEEE International Conference on Robotics and Automation in six categories. In the event of multiple winners, the prize is shared.

ICRA Best Video Proceedings Finalists

"Insect-like Antennal Sensing for Climbing and Tunneling Behavior in a Biologically-inspired Mobile Robot" *William A. Lewinger, Cynthia M. Harley, Roy E. Ritzmann, Michael S. Branicky, and Roger D. Quinn, Case Western Reserve University*

"The Robutler: Towards Service Robots for the Human Environment" *Christian Ott, Christoph Borst, Ulrich Hillenbrand, Bernhard Brunner, Berthold Bäuml, and Gerd Hirzinger, Institute of Robotics and Mechatronics DLR (German Aerospace Center)*

Kayamori Best Automation Paper Award Finalists

"Geometric Computation for Assembly Planning with Planar Toleranced Parts" *Yaron Ostrovsky-Berman and Leo Joskowicz, The Hebrew University of Jerusalem, Israel*

"Steady-State Throughput and Scheduling Analysis of Multi-Cluster Tools for Semiconductor Manufacturing" *Jingang Yi, Lam Research Corporation; Shengwei Ding, University of California at Berkeley; and Dezhen Song, Texas A&M University*

"Analysis of Andon Type Transfer Production Lines: A Quantitative Approach" *Jingshan Li and Dennis E. Blumenfeld, General Motors Research & Development Center*

ICRA Best Manipulation Paper Award Finalists (Sponsored by Ben Wegbreit)

"Quasi-Static Manipulation with Hemispherical Soft Fingertip via Two Rotational Fingers" *Takahiro Inoue and Shinichi Hirai, Ritsumeikan University, Japan*

"2-Dimensional Stable Blind Grasping under the Gravity Effect" *Suguru Arimoto, Ryuta Ozawa, and Morio Yoshida, Ritsumeikan University, Japan*

"Visual-based Feedback Control of Casting Manipulation" *Adriano Fagiolini, University of Pisa, Hitoshi Arisumi, ISRI/AIST-STIC/CNRS and Antonio Bicchi, University of Pisa*

ICRA Best Vision Paper Award Finalists (Sponsored by Ben Wegbreit)

"Tracking and Predictive Display for a Remote Operated Robot using Uncalibrated Video" *Dana Cobzas. INRIA Rhone-Aples, Martin Jagersand, Computing Science, University of Alberta*

"Robust Contrast Invariant Stereo Correspondence" *Abhijit S. Ogale and Yiannis Aloimonos, University of Maryland at College Park*

"Complex Objects Pose Estimation based on Image Moment Invariants" *Omar Tahri and François Chaumette. IRISA/INRIA, Campus de Beaulieu*