

*The First International Conference on Robot, Vision and Signal Processing –
2012*

(RVSP-2010)

November 21-23, 2011, Kaohsiung, Taiwan

Call for Paper

Invited Session on Micro Robots and Micro-Manipulation

Session Organizer: Prof. Dan Zhang

We are organizing an invited session on micro Robots and Micro-Manipulation for RVSP-2011, which will be held in Kaohsiung, Taiwan on November 21-23, 2011. This session deals with new technologies for microrobotics, micromanipulation, and related theory & application. Topics of interest include, but are not limited to:

1. Micro Mobile Robots
2. Micro Autonomous Robots
3. Medicine/Microsurgery Robots
4. Bio-inspired Robots (including Flying Robots, Crawl Robots, Swarm Robots, and other Insect Robots, etc.)
5. Micro Domestic Robots/Micro Entertainment Robots
6. Micro Search and Rescue Robots
7. Distributed Sensor Networks/Microsensor
8. Microactuator/Microcontroller/Mechatronics/MEMS and NEMS
9. Sustainable Power Systems
10. Emerging Issues for Micromanipulation Devices (including Concept Design and Optimization / Kinematics and Dynamics Modeling / Motion Planning / Prototype Development / Others)
11. Artificial Intelligence/Control Algorithm
12. Micromachining/Micro-positioning/Micromanufacturing/Microassembly

Submissions:

Papers are invited from prospective authors with interest on the related areas. Each paper should follow the IEEE format with title, author's names, affiliation, email addresses, an up to 150-words abstract, and a two-column body with 4 single-spaced pages and with font size at 10 pts. All papers must be submitted electronically in PDF format only and be mailed to: Prof. Dan

Zhang at Dan.Zhang@uoit.ca

Important Dates:

Deadline for paper submission: May 5th, 2011

Notification of acceptance: July 1st, 2011

Deadline for camera-ready manuscript submission: August 1st, 2011

For more information please contact:

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