

## Recent Results Sessions

**Friday, 9 December 2011**

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**Saturday, 10 December 2011**

**[SA1-7 Recent Results Session II “Actuation, Vision and Enabling Technologies”](#)**

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Robot’s Reactive Eye Movement and Facial Expression for Lifelikeness by using Preattentive Process.

Won Hyong Lee, Jeong Woo Park, Woo Hyun Kim, Ju Chang Kim and Myung Jin Chung.

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Learning Laparoscopic Surgery by Imitation using Robot Trainer.

Chee-Kong Chui, Chin-Boon Chng, Tao Yang, Rong Wen, Weimin Huang, Jimmy Liu, Yi Su and Stephen Chang

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Human Model Reference Developmental Control of A Dexterous Anthropomorphic Hand.

Benjamin Kent and Erik Engeberg

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Design of Artificial Skin with Integrated Tactile Sensors for Anthropomorphic Robotic Hands.

Zhe Xu, Brian Dellon and Yoky Matsuoka

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Dynamic and Control simulation of a Haptic Device.

B Behzadpour, M Moghaddam and M Arbabtafti

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A Study on Wearable Robotics – Comfort is in the Context.

Damith C Herath, Tawna Chapman, Alethea Tomkins, Larissa Elliott, Michelle David, Amy Cooper, Denis Burnham and Sarath Kodagoda

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Improved humanoid vocalization acquisition from a human tutor.  
Enzo Mumolo and Massimiliano Nolich

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Design of a 7DOF Upper-Limb Power-Assist Exoskeleton Robot with Moving Shoulder Joint Mechanism.  
Kazuo Kiguchi, Kenryu Kado and Yoshiaki Hayashi

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Nanomanipulator Feature Identification and Joint Motion Detection for Development of Multirobot Microassembly Workcell.  
Himanshu Dutt Sharma, Gaurav Singh Naruka and Amit Tholia

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Development and Application of a Low-Cost Manual Micro Assembly System with Integrated Heater.  
Markus Kagerer, Kenji Lars Eiler, Franz Irlinger and Tim Christian Lueth

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Insect Vision Inspired Object Detection in the Video with a Moving Clustered Background.  
Guanqun Yu and Qingjie Zhao

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Ensemble of Shape Functions for 3D Object Classification.  
Walter Wohlkinger and Markus Vincze

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How to Completely Use the PAD Space for Socially Interactive Robots.  
Jeong Woo Park, Woo Hyun Kim, Won Hyong Lee, Ju Chang Kim and Myung Jin Chung

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A Delegation-Based Cooperative Robotic Framework.  
Patrick Doherty and Fredrik Heintz

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Quantitative Evaluations of Stable and Adaptive Tracking using The Updating HS-histogram Method.  
Yuta kimura, Hiroshi Takemura and Hiroshi Mizoguchi

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A Preference-based Task Allocation Framework for Multi-Robot Coordination.  
Dong-Hyun Lee, Ji-Hyeong Han and Jong-Hwan Kim

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Classification of Long-term Motions Using a Two-layered Hidden Markov Model in a Wearable Sensor System  
Si-Jung Ryu and Jong-Hwan Kim