

IROS 2009 Workshop

**Network Robot Systems: Network Robot Systems: Network Robot Services for the Elderly**

October 15, 2009 St. Louis, USA

**Room:**

8:30-8:40	Opening <i>Norihiro Hagita</i>
<b>Session I : Progress reports on Network Robot System in the world</b>	
8:40-10:00	8:40-8:55 Introduction to Network Robot Systems - Research Trends and Perspectives – <i>Norihiro Hagita (ATR)</i>
	8:55-9:10 Field Experiments Using Network Robot Platform and Common Interface <i>S. Muto, H. Tezuka, H. Nakamura, Y. Takashima, M. Abe, K. Shimokura (NTT), T. Akimoto, N. Hagita (ATR)</i>
	9:10-9:35 URUS project: Communication Systems <i>Alberto Sanfeliu (Technical University of Catalonia, Spain)</i>
	9:35-10:00 Guardians Robot Swarm: Exploration and Fire Fighters Assistance <i>Ali Marjovi, Lino Marques, Jacques Penders (University of Coimbra, Portugal)</i>
10:00-10:30	Coffee break
<b>Session II : Social robots and Services for the Elderly</b>	
10:30-11:45	10:30-10:55 (Tentative title) Socially-Interactive Robots <i>Reid Simmons (CMU)</i>
	10:55-11:20 Robotic Exoskeletons for Gait Training of Neural Impaired <i>Sunil K. Agrawal (University of Delaware)</i>
	11:20-11:45 Design and Concept of Network Robots as Social Agents to Motivate Elderly People <i>Tomoharu Yamaguchi, Ryohei Sasama, Keiji Yamada (NEC)</i>
11:45-14:00	Lunch
<b>Session III: Technical issues in Network Robot System</b>	
14:00-15:30	14:00-14:25 Teleoperation of Multiple Networked Social Robots <i>Dylan F. Glas, Takayuki Kanda, Hiroshi Ishiguro, Norihiro Hagita (ATR)</i>
	14:25-14:50 Combination of distributed camera network and laser-based 3D mapping for urban service robotics <i>Juan Andrade and Alberto Sanfeliu (Technical University of Catalonia, Spain)</i>

	<p>14:50-15:10 (short talk)</p> <p>Adaptive Supervisory Control of a Communication Robot to Approach Visitors  <i>Masahiro Shiomi, Takayuki Kanda, Kenta Nohara, Hiroshi Ishiguro, and Norihiro Hagita (ATR)</i></p> <hr/> <p>15:10-15:30 (short talk)</p> <p>Analysis of head motions during spoken dialogue  <i>Carlos T. Ishi, Hiroshi Ishiguro and Norihiro Hagita (ATR)</i></p>
15:30-16:00	Coffee break
<b>Session V: Table Discussion on Network Robot Services for the Elderly</b>	
16:00-17:20	<p><b>16:00 – 17:20 Panel discussion</b></p> <p>Panelists:  <i>Norihiro Hagita (ATR) Alberto Sanfeliu (Technical University of Catalonia), Reid Simmons (CMU), Sunil K. Agrawal (University of Delaware), Ali Marjovi (University of Coimbra, Portugal), Tomoharu Yamaguchi (NEC)</i></p>
17:20-17:30	Closing Remarks <i>Alberto Sanfeliu</i>