

IROS 2010 Workshop

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

October 22, 2010 Taipei, Taiwan

Room:

8:30-8:40	Opening <i>Norihiro Hagita</i>
Session I : Progress reports on Network Robot System in the world	
8:40-10:00	8:40-9:20 Introduction to Ubiquitous Networking Robotics - Research Trends and Perspectives – <i>Norihiro Hagita (ATR)</i>
	9:20-10:00 Results and Learned Lessons on NRS in Urban Areas from the URUS Project <i>Alberto Sanfeliu (Technical University of Catalonia, Spain)</i>
10:00-10:20	Coffee break
Session II : Technical issues in Network Robot System	
10:20-11:50	10:20-10:40 Ambient Intelligence for Networked Social Robot Systems <i>D. F. Glas, T. Miyashita, T. Kanda, H. Ishiguro, N. Hagita (ATR)</i>
	10:50-11:10 Mobile Robots and People Tracking based on Switching Network-managed Distributed Sensors <i>H. Noguchi (JST and The University of Tokyo), T. Yamada, T. Mori and T. Sato (The University of Tokyo)</i>
	11:10-11:30 A Language for Describing Human Activities to be Recognized by Robots and Intelligent Environments <i>F. Mastrogiovanni, A. Sgorbissa, R. Zaccaria (University of Genova)</i>
	11:30-11:50 Interface Robot to intermediate between Elderly People and Medical Staffs <i>M. Doi (Toshiba)</i>
11:50-13:20	Lunch
Session III: Technical issues in Network Robot System	
13:20-15:10	13:20-14:10 (Invited Talk) ART and Technology in Social Robotics <i>H. Ishiguro (Osaka University and ATR)</i>
	14:10-14:30 Field Trials of Networked Social Robots in daily environments <i>M. Shiomi, T. Kanda, D. F. Glas, S. Satake, H. Ishiguro, N. Hagita (ATR)</i>
	14:30-14:50 An Experiment to Motivate Elderly People by Daily Communication with Robots <i>T. Yamaguchi, R. Sasama and K. Yamada (NEC)</i>

	14:50-15:10 A Method for Building Friendship by a Networked Robot: Multi Stage Strategy of Recommendation <i>H. Mizuguchi, D. Kusui, Y. Ishizawa, Y. Kusumura and Y. Muraoka (NEC)</i>
15:10-15:30	Coffee break
15:30-16:30	15:30-15:50 Inheritance of Personal Factors among Multi-Robot Healthcare System <i>O. Sugiyama, K. Shinozawa, T. Akimoto, and N. Hagita(ATR)</i>
	15:50-16:10 Cooperative robots in people guidance mission: DTM model validation and local optimization of motion <i>A. Garrell and A. Sanfeliu (UPC)</i>
	16:10-16:30 An open testbed for Network Robot Systems integrating Wireless Sensor Networks <i>A. Jimenez-Gonzalez, J.R. Martinez-de Dios and A. Ollero(AICIA)</i>
Session IV: Table Discussion on Network Robot Services for the Elderly	
16:30-17:20	16:30 – 17:20 Panel discussion Panelists: <i>Norihiro Hagita (ATR), Alberto Sanfeliu (UPC), Miwako Doi (Toshiba), Tomoharu Yamaguchi (NEC)</i>