

ICRA 2009 Workshop

**Network Robot Systems: Legal and Safety Concerns in Urban Settings**

Tuesday May 12 2009, 9:00-17:00

**Room: 404**

9:00- 9:10	Opening <i>Norihiro Hagita</i>
<b>Session I : Progress reports on Network Robot System in the world (Part I)</b>	
9:10-10:10	9:10-9:30 Introduction to Network Robot Systems - Research Trends and Perspectives – <i>Norihiro Hagita (ATR)</i>
	9:30-9:50 Cooperative Environment Perception in the URUS project <i>Alberto Sanfeliu (Technical University of Catalonia)</i>
	9:50-10:10 Networked and Cooperating Robots for Urban Hygiene: the EU-Funded DustBot Project <i>Paolo Dario, Cecilia Laschi, Barbara Mazzolai, Virgilio Mattoli, Pericle Salvini, Gabriele Ferri (Scuola Superiore Sant'Anna)</i>
10:10-10:30	Coffee break
<b>Session I : Progress reports on Network Robot System in the world (Part II)</b>	
10:30-11:50	10:30-10:50 RT Components for Human Robot Interaction: Look, Listen and Talk <i>Carlos T. Ishi (ATR)</i>
	10:50-11:10 Face Recognition and Its Application to Human Robot Interaction <i>Shihong LAO (OMRON)</i>
	11:10-11:30 The ICT R&D Policy and A New Research Project on Network Robot Systems in Japan <i>Takashi Mori (Ministry of Internal Affairs and Communication, Japan) (Invited Speaker)</i>
	11:30-11:50 Networked Robots for Lifestyle Support Service <i>Miwako Doi (Toshiba)</i>
11:50-13:30	Lunch
<b>Session II: Legal Issues and standardization for NRS (Part I)</b>	
13:30-15:00	13:30-13:50 Android Science Based on Network Robot Systems - Understanding humans by building robots- <i>Hiroshi Ishiguro (Osaka University)</i>
	13:50-14:10 Standardization for Network Robot System <i>Shuichi Nishio (ATR)</i>
	14:10-14:30 Ambient Intelligence on People's Positions and Behaviors and It's Application to Anticipation of Robot Guide Service <i>Takayuki Kanda (ATR)</i>
	14:30-15:00 Privacy Protection for Visual Information <i>Noboru Babaguchi (Osaka University)</i>
15:00-15:20	Coffee break

**Session III: Legal Issues and standardization for NRS (Part II)**

15:20-16:20	15:20-16:00 Legal Problems on Network Robot Systems <i>Masahiro Kobayashi (Osaka Bar Association)</i>
	16:00-16:20 Legal Challenges for Networking Robots Deployment in European Urban Areas: The Privacy Issue <i>Maria Rosa Llácer (Grup de Recerca en Dret Privat, Consum i Noves Tecnologies)</i>

**Session III: Table Discussion on Legal Issues on Network Robot Services**

16:20-17:30	<b>Panel discussion</b> Panelists: <i>Masahiro Kobayashi (Osaka Bar Association), Tsuyoshi Miki (Dai-ichi Tokyo Bar Association), Maria Rosa Llácer (Grup de Recerca en Dret Privat, Consum i Noves Tecnologies), Mr. I (lawyer), Paolo Dario (SSSA), Noboru Babaguchi (Osaka University), Takayuki Kanda (ATR), Miwako Doi (Toshiba), and Shuichi Nishio (ATR)</i>
17:30-17:40	Closing Remarks <i>Alberto Sanfeliu</i>