

Network Robot System: Ubiquitous, Cooperative, Interactive Robots for Human Robot Symbiosis

October 29, 2007 San Diego, USA

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| 9:00- 9:10 | Welcome |
| 9:10-10:50 | <p>Progress reports on Network Robot System in the world (chair: Hiroshi Ishiguro)</p> <p>9:10-9:40 Introduction to Network Robot Systems - Research Trends and Perspectives - <i>Norihiro Hagita (ATR)</i></p> <hr/> <p>9:40-10:10 Ubiquitous Networking Robotics in Urban Settings <i>A. Sanfeliu, J. Andrade-Cetto, J. Mirats, A. Grau, J. Climent (Technical University of Catalonia)</i></p> <hr/> <p>10:10-10:50 Observing Humans and their Activities in Intelligent Environments <i>Mohan Trivedi (University of California, San Diego)</i></p> |
| 10:50-11:00 | Coffee break |
| 11:00-12:20 | <p>Discussion about Testbed on Network Robot System (chair: Alberto Sanfeliu and Norihiro Hagita)</p> <p>10:40-11:10 The PEIS-Ecology Project: a progress report <i>Hiroshi Ishiguro (Osaka Univ.), Hyun Kim (ETRI), Klaus Schilling(University Wuerzburg), Dezhen Song(Texas A&M University), Ken Goldberg (U.C. Berkeley) Manuela Veloso (Carnegie Mellon University), Gerhard K. Kraetzschmar (University of Applied Sciences Bonn-Rhein-Sieg)</i></p> |
| 12:20-13:50 | Lunch |
| 13:50-15:20 | <p>Protocol, Platform and Standardization</p> <p>13:50- 14:20 Network Robot Project Field Experiments in 2006 <i>Ken-ichiro Shimokura (ATR), Shinyo Muto, Yukihiro Nakamura (NTT)</i></p> <hr/> <p>14:20-14:50 CSTP Coordination Program of Science and Technology Projects: Common Platform Technology for Next Generation Robots - Development of Four Basic Platforms (CSTP: Council for Science and Technology Policy) <i>Tomomasa Sato (CSTP Coordination Program of Science and Technology Projects & The University of Tokyo), Nobuto Matsuhira (CSTP Coordination Program of Science and Technology Projects & Toshi- ba Corporation), Eimei Oyama (CSTP Coordination Program of Science and Technology Projects & National Institute of Advanced Industrial Science and Technology)</i></p> <hr/> <p>14:50-15:20 System architecture to integrate URC robots with smart spaces <i>Hyun Kim, Young-Jo Cho (ETRI), Sumi Helal, Hen-I Yang and Raja Bose (University of Florida)</i></p> <hr/> <p>15:20-15:50 Standardization of Network Robots <i>Miwako Doi (Toshiba)</i></p> |
| 15:50-16:00 | Coffee break |
| 16:00-17:00 | <p>Research topics in Network Robot System (chair: <i>Alessandro Saffiotti</i> and Takayuki Kanda)</p> <p>16:00-16:30 Task allocation for NRS with enforced connectivity by cooperative navigation <i>A. Mosteo, D. Tardioli, L. Riazuelo, J.L. Villarroel, L. Montano (Univ. of Zaragoza, Spain)</i></p> <hr/> <p>16:30-17:00 Localization in systems integrating robots and wireless sensor networks <i>Luis Merino, Fernando Caballero, Pablo Gil, Jose Sanchez-Matamoros, Anibal Ollero (Univ. of Sevilla, Spain)</i></p> |