

IEEE ROMAN 2002

The 11th IEEE International Workshop on Robot and Human Interactive Communication
September 25-27, 2002, Berlin, Germany

Sponsoring Organizations:

IEEE Industrial Electronics Society, IEEE Robotics and Automation Society
Robotics Society of Japan, V.R. Society of Japan, New Technology Foundation
VDE German Association for Electrical, Electronic & Information Technologies

Sponsoring Industry:

Astrium, DaimlerChrysler, Delmia, GPS, Kuka, PropackData, Siemens, Z+F,

Workshop Home Page : <http://www.morpha.de/roman2002>

Preliminary Announcement and Call for Papers

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IEEE ROMAN 2002 is the 11th International Workshop on Robot and Human Interactive Communication. The ROMAN workshop addresses fundamental issues of co-existence of human and intelligent machines such as robots and recent advancements of technological as well as psychological researches on the collaboration and interactive communication between robots and humans. And also the ROMAN workshop aims to expand those research outcomes to the real-world applications for the enhancement of human-competence in such intelligent machine and human interacting networked society. Interactive communication and collaboration in human/robots will be crucial issue to enrich our human welfare and happiness in such networked society. And thus the philosophical fundamentals, technological and psychological advancements and methodological extensions towards new robot/human interacting paradigms are comprehensively scoped in the workshop. The technical program will focus on the technological and psychological aspects of such robot/human interactive communication and collaboration and the applications of those research outcomes to real-world human life. The following are solicited subjects:

- Multi-modal communication
- Face/body expression and recognition
- Philosophical issues of robot /human coexistence
- Cognitive psychology in robot/human interactions
- Artificial emotion and emotional communication
- Measurement and evaluation of Kansei information
- Interactive virtual environments
- Interactive tele-presence and operations
- Proactive human interface
- Robotic therapy
- Socially interactive robots
- Entertainment and Education robots
- Assisting robots for housekeeping and elderly care
- Collaborative robots in manufacturing environments
- Situation recognition and understanding of task contexts
- Motion and task planning and coordination in human-robot teams
- Intuitive instruction of robot assistants
- Safety, dependability, and suitability in everyday environments

Paper Submission

Paper submission will occur in two stages:

1. Full paper submission
2. Camera ready copy submission

For the review, please, email one .ps, or .pdf file copy of full length (6 pages) until June 15, 2002. A cover sheet should be attached to every copy, which contains the following lines.

- Title of the paper
- Author name(s) and affiliation(s)
- Contact person's name, address, telephone and fax number, e-mail address
- Keywords

Special Sessions

Proposals for organized sessions are welcome and should be submitted by June 15, 2002

Schedule

June 15, 2002	Deadline for submission of papers and organized session
July 31, 2002	Notification of acceptance
August 15, 2002	Deadline for submission of camera-ready manuscripts
August 15, 2002	Deadline for early registration

Mail

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