

SKILLS

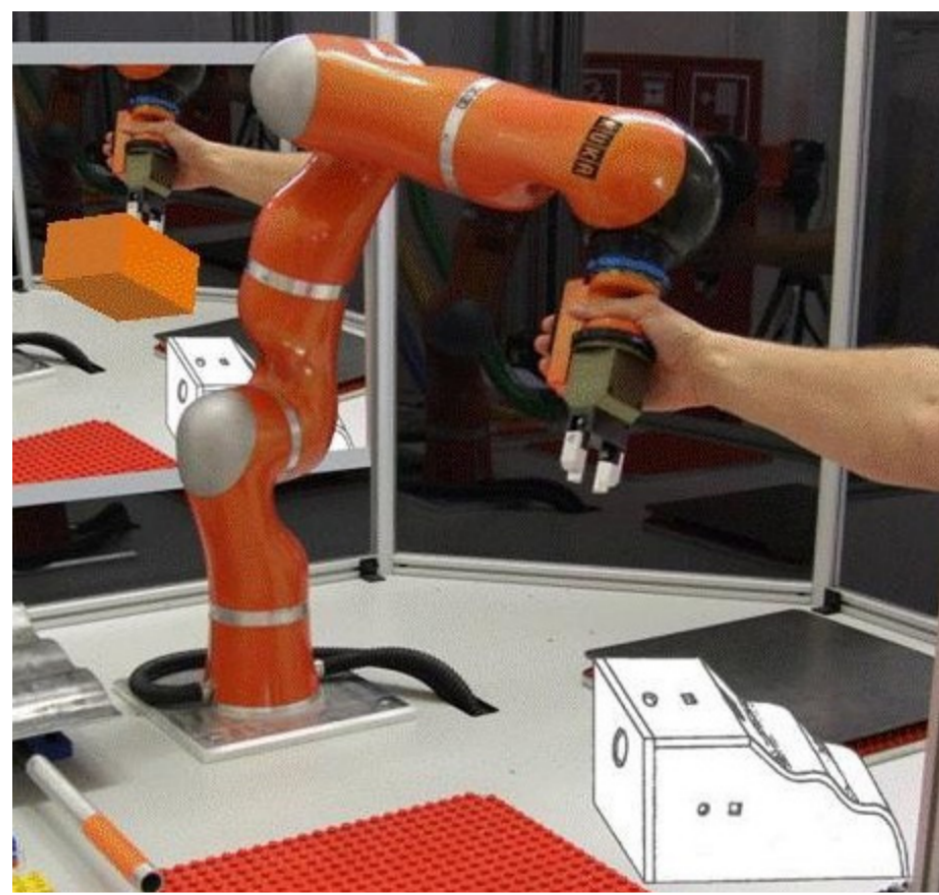
Multimodal Interfaces for Capturing and Transfer of Skill

The SKILLS Integrated Project A New Approach to the Acquisition and Transfer of Skill

December 2, 2008

Augsburg Convention Center

Augsburg, Germany



Overview

The Scientific Conference on the SKILLS Integrated Project aims at fostering the research, the industrial development and the social involvement on technologies and systems for the acquisition, modelling and transfer of human skills. The Conference will present and discuss recent developments on basic research, methods for modelling skills, advances in capturing and rendering technologies, and industrial applications.

The Scientific Conference, starting from the definition of a unified approach to the theoretical challenges on skill transfer and moving through sub-skills analysis, scenarios definitions and demonstrator design, will address in a coherent way all the scientific results obtained during the second year of the Project.

In addition to Scientific presentations, hands-on demos and poster sessions will allow the external public to join and stimulate discussion among research and industrial communities. The showroom will allow the audience to get in touch with applied technologies for skill research, and the ongoing development applications. The demonstration session is organized by the SKILLS Consortium that includes highly qualified institutions and industries in the field of multimodal interfaces.

A detailed program of the initiative and an online registration to adequately support logistic and catering setup is welcome and can be done at the following address:

<http://www.skills-ip.eu/events/scientificconference2008/>

The Scientific Conference is fully supported by the European Community under the Framework of FP6 and by the SKILLS Consortium. This event is organized by KUKA Industrial Robots GmbH and DLR Institute of Robotics and Mechatronics. The participation is free.

Programme

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|---------------|---|
| 08:15 - 09:00 | On-site registration to the event |
| 08:45 - 08:50 | Welcome address
<i>Ralf Koeppe, KUKA Roboter GmbH</i>
<i>Gerhard Grunwald, DLR Institute of Robotics and Mechatronics</i> |
| 08:50 - 09:00 | Introduction to the SKILLS IP
<i>Massimo Bergamasco, Scuola Superiore Sant'Anna</i> |
| 9:00 - 09:40 | Unified Framework
<i>Benoit Bardy, University of Montpellier-1</i> |
| 09:40 - 10:20 | Mapping between subskills and demonstrators,
<i>Daniel Gopher, Technion, Israel Institute of Technology</i> |
| 10:20 - 11:00 | Toward a Digital Representation of Skill: from Encoding to Training of SubSkills
<i>Carlo Alberto Avizzano, Scuola Superiore Sant'Anna</i> |
| 11:00 - 11:15 | Coffee Break |
| 11:15 - 12:15 | Technological platforms for capturing and rendering of skills: challenges, bottlenecks, candidate solutions
<i>Uli Bockholt, Fraunhofer IGD</i>
<i>Florian Gosselin, Commissariat à l'Energie Atomique – LIST</i>
<i>Emilio Sánchez, Centro de Estudios e Investigaciones Técnicas de Gipuzkoa</i> |
| 12:15 - 13:15 | Research Results
<i>Sile O'Modhrain, Queen's University of Belfast – SARC</i>
<i>Denis Mottet, University of Montpellier -1</i>
<i>Eldad Yechiam, Technion, Israel Institute of Technology</i> |
| 13:15 - 14:30 | Lunch Break |
| 14:30 - 16:00 | Posters & Coffee |
| 16:00 - 18:00 | Hand-on-Demos |



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