Abstract:
Developing a robot system that can interact directly with a human instructor in a natural way requires not only highly-skilled sensorimotor coordination and action planning on the part of the robot, but also the ability to understand and communicate with a human being in many modalities. A typical application of such a system is interactive assembly for construction tasks. A human communicator sharing a common view of the work area with the robot system instructs the latter by speaking to it in the same way that he would communicate with a human partner.

Stichworte:
jast

Kongress- / Buchtitel:
Proceedings of the International Conference on Universal Access in Human-Computer Interaction, HCI International

Band / Teilband:
4555

Verlag / Institution:
Springer

Jahr:
2007

Monat:
Jul

Seiten:
987--995

Serientitel:
Lecture Notes in Computer Science

Volltext / DOI:
http://doi.org/10.1007/978-3-540-73281-5_108
Occurences:

- Einrichtungen > Fakultäten > Fakultät für Informatik > Lehrstühle der Informatik > Informatik 6 - Lehrstuhl für Echtzeitsysteme und Robotik (Prof. Knoll) > 2007

entries: