Abstract:
In mac, an ergonomic dialog-system and algorithms will be developed that enable human experts and companions to be integrated into knowledge gathering and decision making processes of highly complex cognitive systems (e.g. Assistive Household as manifested further in the paper). In this event we propose to join algorithms and methodologies coming from Ergonomics and Artificial Intelligence that: a) make cognitive systems more congenial for non-expert humans, b) facilitate their comprehension by utilizing a high-level expandable control code for human experts and c) augment representation of such cognitive system into `deep representation” obtained through an interaction with human companions.

Buchtitel:
Progress in Robotics

Band / Teilband:
44

Verlag / Institution:
Springer Berlin Heidelberg

Verlagsort:
Berlin, Heidelberg

Jahr:
2009

Print-ISBN: