

Robot-User Interaction within User-orientated Developments: Insights from a Research Project in Germany

- Care Robotics in the Aging Society: Integrating Users, Developers and Technology
- German Institute for Japanese Studies (DIJ) Tokyo, Japan



Partner & Artifacts















Scenario Based Design - Examples

The emerged needs of the requirement analysis were transcribed in a narrative track of scribbles:







- Requirement Analysis
 Scenarios
 Technical Feasibility
 - Technical Feasibility
 - Scenarios Adjustments
 - Artifacts Development
 - Pilot Phase
 - Scenarios Adjustments

User

User-Interface-Designer

Developer

User-Interface-Designer

Developer

User

User-Interface-Designer

Year

<u>5</u>

Year

<u>.</u>

















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Stage: Scenario Adjustments

Transport-Scenario (CASERO[®])



Drink-Catering-Scenario (Care-O-bot[®] 3)



Night duty-Emergency-Scenario (CASERO[®])



Activity-Scenario (Care-O-bot[®] 3)



2011-11-10



Stage: Pilot Phase





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Stage: Pilot Phase

MLR System (CASERO®)



Fraunhofer-IPA (Care-O-bot®)



Uni DUE (Knowledge-Transfer Loop)

+n



UI-Design (Interface, Scenario-Design)



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Activity-Scenario (Care-O-bot[®] 3)





Stage: Pilot Phase





Stage: Pilot Phase



2011-11-10

1.0



Stage: Pilot Phase



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Points for Further Discussion



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Thank you for your attention!

Research Project (Case Study):

- Supporting the Knowledge Transfer for a Participative Design of the Care Work Sector through Service Robotics
- Funded by the German Federal Ministry for Education and Research
- Duration: November 2008 October 2011



Contact & Further Information: http://www.wimi-care.de

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