



1-2 February 2010
KORANET PARTNERING EVENT

Research for life-long health

Uwe Lange
Institute of Automation
“Research on Intelligent
Rehabilitation Robots to Serve
Disabled and Elderly People”



Institute of Automation & Friedrich-Wilhelm-Bessel Institute

research centre: project idea, expertise, partner sought, contact details

- 2 Professors
- 4 Technical staff members
- Multi-National research staff:
32 members from 12 countries
- Located in Bremen, Germany

 **Universität Bremen**

iat
Institute of Automation

FWBI





Research on Intelligent Rehabilitation Robots to Serve Disabled and Elderly People

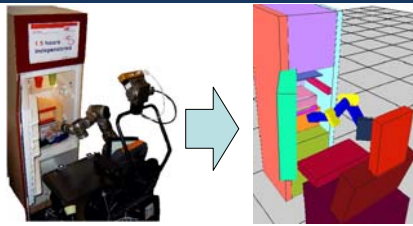
research centre, project idea, expertise, partner sought, contact details

- **FRIEND**
 - Safe Rehabilitation robotics
- **Robowalker**
 - Support System & Exoskeleton
 - Gait Analysis
- **KoBSAR**
 - Knee Motion Therapy
 - Soft Actuators

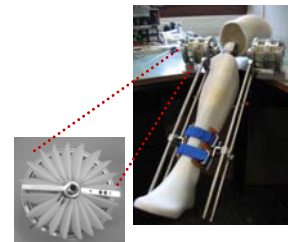


EXPERTISE

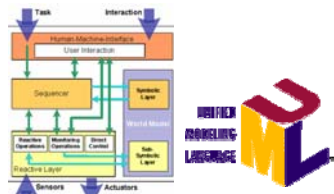
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Computer Vision & Robot Control



Control of Soft Actuators



Software Design for Complex Robot Control



Safety in Robotics





PARTNER SOUGHT

research centre, project idea, expertise, partner sought, contact details

- Rehabilitation Centers
- Therapists
- Common interest in the fields of research of:
 - Rehabilitation Robotics
 - Robot control
 - Computer Vision
 - Safety in robotics
 - Human-Machine Interface
 - Soft Robotics



CONTACT DETAILS

research centre, project idea, expertise, partner sought, contact details

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