

## HRI Workshop: Socially assistive robot for the aging population

When: Sunday, March 03, 2014

Where: room 3.313

### Introduction to the general topic of the workshop and the participants

- Astrid Weiss - Vienna University of Technology
- Jenay Beer - University of South Carolina
- Takanori Shibata - National Institute of Advanced Industrial Science and Technology (AIST)

### Invited Talks

- Wendy Rogers – Human Factors and Aging Georgia Tech
- Kazuyoshi Wada – Tokyo Metropolitan University
- Marcel Heerink – La Salle University (skype)
- Birgit Graf – Fraunhofer IPA (skype)
- Selma Šabanović –Indiana University
- Elizabeth Broadbent – University of Auckland

### Poster Session

- M. A. Salichs Á. Castro-González I. P. Encinar E. Salichs M. Malfaz A First Study on Applications of Social Assistive Robots for Alzheimer's Disease Patients and Their Caregivers
- M.A. de Graaf, S.B Allouch: "Evaluation of a Socially Assistive Robot in Eldercare"
- C. Müller, M. Schorch, R. Wieching: "PraxLabs as a Setting for Participatory Technology Research and Design in the Field of HRI and Demography"
- F. Broz, A. Di Nuovo, T. Belpaeme, A. Cangelosi, R. Bevilacqua, E. Felici, F. Marcellini, S. Klemcke, S. Glende: "Designing Robotic Services for the Elderly"
- S.A. McGlynn, S.C. Kemple, T. L. Mitzner, W. A. Rogers: "Therapeutic Robots for Older Adults"
- W. Barnett, K. Keeling, T. Grunber: "Interactive Service Robots: A Service Logic Approach to Robot Design"
- J. Gallego-Perez, M. Lohse, V. Evers:"Robots for the psychological wellbeing of the elderly"
- C. Sidner, C. Rich, M. Shayganfar, M. Behrooz, T. Bickmore, L. Ring, Z. Zhang: "A Robotic or Virtual Companion for Isolated Older Adults"

### Discussion

- Do older end users in all countries have similar needs and desires when it comes to assistive robots?
- Are our results suggesting similar interaction scenarios/ technical solutions?
- What are the challenges and opportunities for future assistive robots (maybe for those we develop for ourselves when we belong to the older population...) also on an ethical and legal level?
- Can socially assistive robots solve the aging population problem on a societal and individual level?
- Will robotic helpers be accepted in the home as long as they pretend to be social actors?

### Wrap-up, summary of the topics and of follow-up