

Building Intelligence As Enabler For Ambient Assistance Applications

YR-RISE: Young Researchers' and PhD Workshop –
Research on Innovative Solutions for Elderly

3rd Ambient Assisted Living Forum

September 26th, 2011 – Lecce, Italy

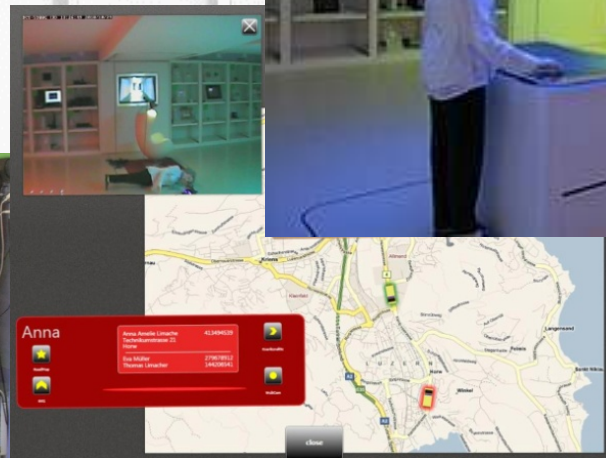
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Building Intelligence: Research Focus

Integration of the following Building Intelligence (BI) techniques and design principles into public and residential buildings for elderly:

- Situation Awareness and Prediction
- Building Automation
- Pervasive Computing
- Simulations of User Behavior
- User Centricity and Interaction
- End-User Involvement



Building Intelligence: Enabler of AAL

Enabling Technologies of BI deployed in the iHomeLab:

- Ambient Awareness
- Virtual assistants for indoor orientation
- Indoor localization of objects and persons
- Activity and emergency recognition
- Informative, observing and assistive robots



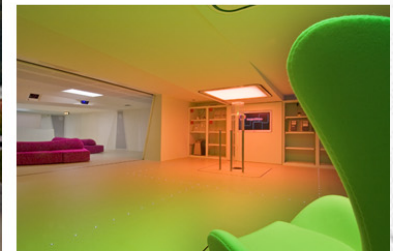
Enabling Properties of the iHomeLab:

- Experienced smart home technologies integrator
- Close contact to end-user organizations of all levels
- Advantageous positioning between research and market
- Dissemination platform with national and international impact

iHomeLab

The Swiss Research Lab for Building Intelligence

For the benefit of AAL



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