



Robotic Assistant for MCI patients at home

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The past, present and future of European
service robotics for eldercare and assisted living
ERF 2017 Workshop

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Workshop Discussion

The past, present and future of European service robotics for eldercare and assisted living

Aim

- To elaborate insights on key current issues
- To feed into roadmaps and future plans towards **practically applicable solutions**, of **strong added value** and **adoption potential**

Core topics

- Key applications for:
 - Multi-purpose mobile robots with manipulation capabilities (e.g. HOBBIT, RAMCIP...)
 - Multi-purpose mobile robots that operate in relation with smarthome infrastructure (e.g. RADIO, Enrichme...)
 - Single-purpose assistive service robots (e.g. i-Support...)
- Key challenges and ways to go
 - Open **technical issues** for safe and efficient robotic applications at home
 - End user groups-specific **needs** coverage and **acceptance**
 - ...

Workshop Discussion

The past, present and future of European service robotics for eldercare and assisted living

Key questions towards roadmaps and future plans:

1. Which **older persons categories** are in higher need of service robotic solutions?
2. What are the **key applications** / use cases that can provide strong added value and significant help to older persons at home?
 - Multi-purpose mobile robots that operate in relation with smarthome infrastructure
 - Multi-purpose mobile robots with manipulation capabilities
 - Single-purpose assistive service robots
3. What are the main **technical challenges** still experienced in research projects during robot applications in real homes with end users?
4. What are the main **obstacles** that can hinder robots adoption potential and how could these be overcome?
5. What would be the key added value of future **service robots vs. further assisted living solutions**?
6. ...

Thank you



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