

13 March, 08:30 – 10:00

Session Title: Robots as Helpers and Companions for Assisted Living

Organiser(s): **Filippo Cavallo**, Scuola Superiore Sant'Anna, ITALY, (f.cavallo@sssup.it)
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Content: Many types of robots will play a role in assisted living applications, facing issues related to prevention, support, compensation, and independent living. The core of providing assistive care is the development of sustainable systems, designed around the human being with advanced capabilities, such as dependability, safety, cognitive and interaction abilities. This could bring on a new ecosystem of sustainable consumer service-products, which however still lacks clear definitions and boundaries. The field also requires appropriate evaluation procedures and contents that additionally could be a prerequisite for the good functioning of the multiannual roadmapping process.

In this context, the first session of this workshop presents an overview of AAL robotics, developed from actual user needs and application fields, and invites discussion on robot categories and potentials. The second session focuses on the presentation of the Companions Robot vision for assisted living applications and a possible evaluation model in the practical case of the Robot-Era Project.

Agenda of the workshop:

- 8:30 – 8:35 Introduction by the workshop organizers
- 8:35 – 9:15 Session 1:
 - Overview of AAL Robotics: State-of-the-art, Categories, Potentials (Payr, Werner)
 - Structured brainstorming and discussion on session 1, using questionnaires, voting and ranking instruments
- 9:15 – 10:00 Session 2:
 - Overview on Robot Companions for Assisted Living: concepts and vision (Prof. Paolo Dario)
 - A model for evaluating Robot Companions in active and healthy ageing (Dr. Filippo Cavallo)
 - Open Round Table Discussion

Speaker(s): Sabine PAYR, Austrian Research Institute for Artificial Intelligence, AT
 Franz WERNER, Research group for assisted living technologies, AT
 Filippo Cavallo, Scuola Superiore Sant'Anna, IT
 Paolo Dario, Scuola Superiore Sant'Anna, IT

Further information: For session 1, participants are encouraged to download the handout available (as of March 2.) from the workshop website.