The workshop is focused on design, modelling and control issues for the introduction of robot manipulators in everyday environments, with emphasis on safety, dependability, and real-world applications of service robots. The event is aimed at promoting scientific exchange and fostering cooperation among young European researchers in advanced robotics.

**PROGRAM**

**8:20_ SESSION 1: SAFE ROBOTICS CONCEPTS (AUDITORIUM)**

8:20–8:30 welcome and introduction by the organizers

8:30–8:50 Agostino De Santis, Università degli Studi di Napoli Federico II, I, “Modelling and control for Human-robot interaction”

8:50–9:10 Irene Sardellitti, Istituto Italiano di Tecnologia, Genova, I, “Human-friendly robotics: state of the art and future challenges”

9:10–9:30 Gianluca Palli, Università degli Studi di Bologna, I, “Variable stiffness actuation: modeling and control”

9:30–9:50 Sebastian Wolf, Deutsches Zentrum für Luft- und Raumfahrt–DLR, Oberpfaffenhofen, D, “From actively compliant lightweight robots to intrinsically compliant systems”


**10:30_ BREAK**

**10:50_ SESSION 2: HUMAN-CENTERED ROBOTICS APPLICATIONS (AUDITORIUM)**


11:30–11:50 Emanuele Cattin, SSSUP S. Anna, Pisa, I, “A case-study of the neuro-robotics paradigm: NEURARM and NEUROExos”

11:50–12:10 Carlos Pérez Martínez, Universidad Carlos III de Madrid, E, “Assistive robots dependability in domestic environment: the ASIBOT kitchen test bed”

12:10–12:30 Paolo Pierro, Universidad Carlos III de Madrid, E, “Robots in future collaborative working environments”

12:30–12:50 Paolo Robuffo Giordano, Max Planck Institute for Biological Cybernetics, Tübingen, D, “The Cyberwalk platform: Human-machine interaction enabling unconstrained walking through Virtual Reality”

**15:00_ PANEL DI SCUSSIONE (AULA SEMINARI)**

15:00-17:00 Robots in everyday environments: suggestions and possible cooperation in the robotics research community

**ORGANIZERS**

Agostino De Santis, Università degli Studi di Napoli Federico II

Irene Sardellitti, Istituto Italiano di Tecnologia, Genova

**CONTACT**

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