



CINI Assistive Technologies National Lab

Mission

- ◉ Stimulating the advancement of assistive technology for the benefit of people with disabilities and for the inclusion of elderly people
- ◉ Structuring and orchestrating Italian academic excellences in Assistive Technologies
- ◉ Fostering synergies and collaboration with all stake-holders, from end-user needs to Assistive Technologies provisioning, through research and technology transfer

Motivation

- ◉ Huge gap between ICT technology potential and Assistive Technology solutions available on the market
- ◉ Proven competence in the field available at CINI: nearly 50% of CINI Research Units with the involvement of more than 150 researchers
- ◉ Fostering synergies and collaborations by means of a National Lab in Assistive Technology
- ◉ Becoming the main actor in Assistive Technology Research in close collaboration with all stake-holders
- ◉ Main national reference contact for EU initiatives
- ◉ Implementing large research initiatives



Main Research Areas

Assistive Technology is a truly multidisciplinary field. CINI Research Units gained deep competence in many research areas through the collaboration of all stake-holders (end-user associations, government bodies, public health system, educational system, companies, etc.):

- ◉ Accessible Environments
- ◉ Ageing, Disability and Technology
- ◉ Alternative and Augmentative Communication
- ◉ Ambient Assistive Living / Domotics
- ◉ Autism
- ◉ Care Technology (monitoring, telecare)
- ◉ Cognitive Impairments
- ◉ Computer Access
- ◉ e-Accessibility
- ◉ Education and Training in AT
- ◉ e-Inclusion
- ◉ HCI and Multimodal Interfaces
- ◉ Healthcare and Rehabilitation
- ◉ Integrated Solutions for Mobility and Communication
- ◉ Knowledge / Technology Transfer
- ◉ Motor Limitations
- ◉ Robotics (assistive and educational)
- ◉ Sensory Impairments, including deafness, blindness, and deaf-blindness
- ◉ Special needs education

CINI Nodes involved in Assistive Technologies

- ◉ Università di Pisa
- ◉ Università di Genova
- ◉ Politecnico di Milano
- ◉ Università di Catania
- ◉ Università di Bari
- ◉ Politecnico di Torino
- ◉ Università di Bologna
- ◉ Università di Brescia
- ◉ Università di Firenze
- ◉ Università di Napoli
- ◉ Università Milano Bicocca
- ◉ Università di Roma La Sapienza
- ◉ Università di Ferrara
- ◉ Università di Torino
- ◉ Università di Trento
- ◉ Università di Messina

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