



# 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

## Governance

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