

# ICADI Preparatory Workshop

## Purpose

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- To prepare a comprehensive account of state-of-the-art Assistive Technology R&D and Smart Home R&D in the U.S. and in Europe
  - Report and a Special Issue of the IEEE Computer magazine.
- To identify strategies for future research and development.
- To prepare for developing the Technical Program of the ICADI High Technology Track (HTT)
  - Outcomes from the workshop are to be integrated into the HTT Track.

# Focus Areas

Mobile and wireless computing	Sensors and sensor networks	Stream databases	Location and position tracking
Zero configuration systems	Assistive technology	Robotics	Ambient Technologies and Telecare
Service discovery and advertisement	Adaptive and ubiquitous interfaces	Artificial Intelligence	Human-computer interaction
Open service oriented architectures	Smart homes	Advances in accessibility	Speech synthesis and recognition
Universal design	Data mining	Smart phones	Wearable computers

# Important Issues for Discussion

- Technology employed (infrastructure needs)
- Technology evaluation (user perspective; user acceptance; cost)
- Deployment status (prototype development; field evaluation; serial production)
- Barriers and technology limitations
- R&D needs to overcome current barriers
- Public policy considerations (privacy issues; business models)