IEEE AgeTech: Technology for Aging and Accessibility

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A public charity, IEEE is the world's largest technical professional organization dedicated to advancing technology for the benefit of humanity.

What is Agetech and Why it Matters to IEEE

An Emerging Opportunity to Advance Technology for Humanity for >20% of Global Population

- AgeTech refers to technologies that enhance quality of life, independence, and well-being for older adults and individuals with accessibility needs. It includes innovations in health monitoring, smart homes, robotics, mobility, caregiving, and digital accessibility and literacy.

- Why it Matters:

  - The global population over 60 will nearly **double** between 2015 and 2050.

  - AgeTech products are a major and growing global market opportunity, attracting substantial R&D and venture investment.

  - AgeTech is cross-cutting, underpinned by technologies spanning across several IEEE Societies and Councils.

  - There are significant barriers that limit the adoption and effectiveness of AgeTech that IEEE can address.

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IEEE AgeTech Mission

- **Promote Technology Innovation**
  - Roadmaps, workshops, competitions, guidelines
- **Provide Knowledge and Guidance**
  - Resource hub, webinars, tester network
- **Collaborate Globally with Partners**
  - North America, EMEA, Asia/Pacific and Latin America

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Four Initial Technical Focus Areas

Wearables For the Aging

Intelligent Home Solutions

Caregiving Automation

Wearable Robotics