MPAT'21

1st Workshop on Mobile and Pervasive Assistive Technologies

Call For Papers

According to the World Health Organization, more than 1 billion people have some form of disability. Mobile and pervasive devices are rapidly becoming platforms of choice to support the development of state-of-the-art assistive technologies to improve the quality of life of those people.

Assistive technology research is multidisciplinary: it requires to address challenges in many different fields, including human-computer interaction, data management, distributed systems, and computer vision. In particular, recent research on assistive technologies often involves advanced data management techniques and evolved pervasive systems, all of which are key topics addressed by the PerCom community.

The aim of this workshop is to showcase recent advancements in mobile and pervasive assistive technologies, connecting researchers and practitioners working in the fields of accessibility and pervasive systems.

In particular, we encourage submissions in two tracks:

- **Research track:** original research advancing the state of the art in the field of mobile and pervasive assistive technologies.
- **Tutorial track:** papers that present the state of the art in the field of assistive technologies, introducing scientific and technical challenges for enabling accessibility and creating assistive technologies through data management and pervasive computing research.

Possible research topics include but are not limited to:

- Assistive technologies using mobile, wearable, and pervasive devices
- Wireless, distributed, and IoT-driven assistive technologies
- Smart homes, domotics, and smart cities for people with disabilities
- Accessibility of mobile and pervasive devices
- Mobile interaction techniques for individuals with disabilities
- Rehabilitation using mobile and pervasive devices
- Human factors in mobile assistive technologies design and evaluation
- Remote assistance and crowdsourced mobile assistive technologies
- Social aspects related to mobile accessibility and assistive technologies

Key information

Formatting:
6 pages (including references), in the IEEE format (10pt font, 2-column format)

Important dates (tentative):

- Paper submission deadline: December 04, 2020
- Paper notification date: January 15, 2021
- Camera ready deadline: January 29, 2021

Sponsors