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1. Inform the Chair: with the Title of your Contribution
2. Submission URL:
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Please select Track Preference as **OATU**

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Special track

OATU: Older Adults and Technology Use

Chair and Coordinator: Ljilja Ruzic Kascak,
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along with
ACHI 2018, The Eleventh International Conference on Advances in Computer-Human Interactions
http://www.iaria.org/conferences2018/ACHI18.html

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Older adults, aged 65 and older, account for 15% of the overall United States population today. It is estimated that by 2050, 22% of Americans will be 65 and older. As the population ages, more older adults are becoming technology users. In 2013, just 18% of seniors reported owning a smartphone, in contrast to 42% of them having smartphones today. Currently, 67% of older adults use the Internet and half of older Americans have broadband at home.

However, a majority of seniors experience a decline in their abilities during the process of aging, such as vision, cognition, hearing, mobility, and dexterity. As a result, they encounter many barriers, while interacting with environments, products, and user interfaces, which impacts their ability to interact with technologies and environment. Moreover, researchers reported that socio-demographic and health status had a significant impact on the technology usage among older adults in U.S. Prevalence of technology use varied depending on the type of disability and a presence of activity-limiting impairments.

As technology advances, there is a great opportunity and need to address problems faced by older adults with and without disabilities to increase their technology use, bridge the digital divide, and improve their health and wellbeing. Previous research demonstrated a potential for improvements in health and wellness outcomes for older adults through the Internet (i.e., ehealth), mobile phone (i.e., mhealth), and interactive technologies and interventions in addition to robotics, environment and product design. In addition, the development of health education and awareness programs based on new technologies can help bridging the divide and increasing technology use among aging population.

Topics include, but not limited to:
- Design and evaluation of mobile interfaces for older adults;
- Smart environments for seniors;
- Assistive technologies for an aging population;
- Design for aging with disabilities;
- Design of video games for care home settings;
- Human-machine interaction for users with disabilities;
- Persuasive technologies for seniors to increase technology use and adoption;
- Social design for population of older users;
- Robots assistance for elderly population;
- Health and wellness mobile apps for older adults;
- Design guidelines for aging population;
- Design of technology learning and education for seniors.

Contribution Types
- Regular papers [in the proceedings, digital library]
- Short papers (work in progress) [in the proceedings, digital library]
- Posters: two pages [in the proceedings, digital library]
- Posters: slide only [slide-deck posted on www.iaria.org]
- Presentations: slide only [slide-deck posted on www.iaria.org]
- Demos: two pages [posted on www.iaria.org]

Important Datelines

- Inform the Chair: As soon as you decided to contribute
- Submission: December 7, 2017
- Notification: January 12, 2018
- Registration: January 26, 2018
- Camera ready: February 5, 2018

Note: These deadlines are somewhat flexible, providing arrangements are made ahead of time with the chair.

Paper Format
- See: http://www.iaria.org/format.html
- Before submission, please check and comply with the editorial rules: http://www.iaria.org/editorialrules.html

Publications
- Extended versions of selected papers will be published in IARIA Journals: http://www.iariajournals.org
- Print proceedings will be available via Curran Associates, Inc.: http://www.proceedings.com/9769.html
- Articles will be archived in the free access ThinkMind Digital Library: http://www.thinkmind.org

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Registration
- Each accepted paper needs at least one full registration, before the camera-ready manuscript can be included in the proceedings.
- Registration fees are available at http://www.iaria.org/registration.html

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