

## Call for Contributions

**1. Inform the Chair:** with the Title of your Contribution

**2. Submission URL:**

<https://www.iariasubmit.org/conferences/submit/newcontribution.php?event=SMART+ACCESSIBILITY+2018+Special>

Please select Track Preference as **UDT**

### Special track

## UDT: Universal Design and Technology for Successful Aging with Disability

Chair and Coordinator: Prof Dr. Jon Sanford, Georgia Tech, USA

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along with

**SMART ACCESSIBILITY 2018**, The Third International Conference on Universal Accessibility in the Internet of Things and Smart Environments

<http://www.aria.org/conferences2018/SMARTACCESSIBILITY18.html>

Millions of people, worldwide, age aging with long-term mobility, sensory, cognitive, communication impairments. They have lifelong experience dealing with these limitations, but the normative aging process brings additional age-related changes that may lead to disability. However, the range of abilities/disabilities of this cohort is both large and diverse. As a result, successfully overcoming barriers to usability of everyday designs through traditional assistive technologies and accessible is difficult to achieve, if not obsolete.

Together, universal design and technology have great potential to support the needs of people aging with disability. However, successful aging with disability is also rooted in a multi-faceted approach to problem solving that promotes health, addresses meaningful activities and supports community participation for these individuals. Such an approach requires identifying the unique task challenges that these individuals experience in everyday life; developing and testing new universal designed technologies that promote independent function, aging in place and community mobility; and translating knowledge into transformative applications that bridge science, policy and practice. This track will encourage discussion not only on innovative research and technology-enabled design solutions, but also on efforts to ensure long-term success through engaging and inspiring students through unique education experiences.

### Topics include, but not limited to:

- User Needs of Individuals Aging with Disability
- Smart and Robotic Homes for Aging in Place
- Smart Cities and Community Mobility
- Hearables, Wearables and also Intangibles
- Health, Well-Being and Successful Aging
- Student engagement

### 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.aria.org](http://www.aria.org)]
- Presentations: slide only [slide-deck posted on [www.aria.org](http://www.aria.org)]
- Demos: two pages [posted on [www.aria.org](http://www.aria.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.aria.org/format.html>
- Before submission, please check and comply with the editorial rules: <http://www.aria.org/editorialrules.html>

## **Publications**

- Extended versions of selected papers will be published in IARIA Journals: <http://www.ariajournals.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>

## **Paper Submission**

<https://www.ariasubmit.org/conferences/submit/newcontribution.php?event=SMART+ACCESSIBILITY+2018+Special>

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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.aria.org/registration.html>

## **Contact**

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