

Call for Contributions

Note: On site and Online Options

To accommodate many situations, we are offering the option for either physical presence or virtual participation. We would be delighted if all authors manage to attend in person but are aware that special circumstances are best handled by having flexible options.

Submission:

1. Inform the Chairs: with the Title of your Contribution

2. Submission URL:

<https://www.ariasubmit.org/conferences/submit/newcontribution.php?event=SMART+ACCESSIBILITY+2024+Special>

Please select Track Preference as **DA**

Special track

DA: Digital Accessibility

Chair

Prof. Dr. Monika Maria Moehring, Managing Director, Study Centre for Blind and Disabled Students,
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along with

SMART ACCESSIBILITY 2024, The Ninth International Conference on Universal Accessibility in the
Internet of Things and Smart Environments
May 26 - 30, 2024 – Barcelona, Spain
<https://www.aria.org/conferences2024/SMARTACCESSIBILITY24.html>

This special track explores digital accessibility (DA) for persons with visual, hearing, cognitive, and any other form of physical disabilities in formation, profession, and society.

Virtualisation and digitisation, on the one hand, facilitate inclusion of impaired students, employees, and citizens. However, new digital formats and technologies constitute a new source of barrier for participation. Directives and legislations such as from the United Nations and the European Commission have made public sector inclusion mandatory in this particular realm, with wide ranging future implications for business and industrial organisations.

In formative years, visually impaired and physically disabled disciples and students benefit from self-efficacy experiences empowered through new assistive devices and programmes, advanced tutoring techniques, and the use of Industry 4.0 technologies such as 3D-printing and RFID.

Transition to the work environment is increasingly facilitated as these ancillaries are also available to the non-disabled workforce, e.g., for ergonomics and convenience.

Equally, participation in everyday life and leisurely events is fostered by assistive systems and their increasing ease of implementation, together with a drastically increased awareness in society.

These advances in turn help cure the ailments of the ageing society including emerging disabilities in adulthood. They also inform other disciplines such as providing fail-safe manufacturing and logistics, stress-free media, mobility, and administration infrastructure, creating awareness for accessible verbalisation, and lowering psychological barriers to cultural events.

Topics include, but not limited to:

- Digitally accessible formats for documents, including graphics and websites.
- Accessible administration, operations, citizen self-service, e-health applications, and online business services.
- Augmented reality, 3D prints, RFID - and cyber- physically assisted systems, optical recognition technology, self-learning intelligent assistive devices, both in inclusive and professional scenarios.
- Advanced teaching and training approaches, didactical formats and technologies for students and employees with disabilities, e.g., with focus on STEM disciplines, language studies, or rehabilitation.
- Digitally accessible events, media, arts, and performances; digitally augmented experiences.
- IT accessibility issues of the non-disabled ageing workforce.
- Inclusive IT programming and access for digitally illiterate persons.
- Electronic devices and wearables for disabled users.
- Case studies and best practices in inclusive teaching, assistive technologies, workforce empowerment, interdisciplinary inclusion-related research, and application in specific scenarios.

These are only suggestions; we welcome papers discussing other issues related to digital accessibility

Important Datelines

Inform the Chair: As soon as you decide to contribute.

Submission: April 10

Notification: April 28

Registration: May 8

Camera-ready: May 8

Note: The submission deadline is somewhat flexible, providing arrangements are made ahead of time with the chair.

Contribution Types

a. Tutorials and mini tutorials: half-day session with a limited number of participants [posted on www.aria.org]

b. Workshops: two pages [posted on www.aria.org]

c. Regular research contributions

- 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.iaia.org]
- Presentations: slide only [slide-deck posted on www.iaia.org]
- Demos: two pages [posted on www.iaia.org]

Paper Format

- See: <http://www.iaia.org/format.html>
- Before submission, please check and comply with the editorial rules: <http://www.iaia.org/editorialrules.html>

Publications

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

Papers Submission

<https://www.iaiasubmit.org/conferences/submit/newcontribution.php?event=SMART+ACCESSIBILITY+2024+Special>

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Tutorials and Workshops Submission

Send intentions and propositions to Chair: mmm@bliz.thm.de

Submit the proposal via the same site mentioned for **Paper submissions**.

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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.iaia.org/registration.html>

Contacts

Chair

Monika Maria Moehring, mmm@bliz.thm.de

Logistics: steve@iaia.org