ViBRANT - Workshop on Video-Based Respectful Assistive Novel Technologies

Call for Papers

In the field of Active/Ambient Assisted Living (AAL), the popularity and increased use of video-based technologies bear enormous potential for ensuring holistic, data-rich and straightforward health monitoring. However, these technological advances create particular tensions and implications among all disciplines involved. On the one hand, there are great technological and economical advantages. On the other, concerns regarding privacy and continuous surveillance of intimate activities are prevalent barriers to the adoption of visual AAL devices. To design and develop privacy-aware and acceptable video-based AAL, it is crucial that technological developments in engineering and computer science are accompanied and mutually influenced by user studies in the social sciences, by investigations of the applicable legal framework and by insights on medical and healthcare necessities. Thereby, the respectful and careful consideration of societal, individual and cultural values and norms should be at forefront of these interdisciplinary conversations.

The **ViBRANT** (Video-Based Respectful Assistive Novel Technologies) workshop connects generations of academic researchers with various scientific backgrounds, including technical, social and legal. Besides academia, medical and care professionals, as well as industry partners who are interested in the advancement of Ambient/Active Assisted Living (AAL) technology are targeted. The overarching goal of the workshop is to foster an interdisciplinary research community that discusses the latest advancements in video-based AAL including their practical, real-life applications and methodological approaches to identifying the potentials and risks associated with using visual devices in healthcare settings. The workshop further provides opportunities for establishing interdisciplinary collaborations and networking.

The workshop is held as part of EICS 2023, the 15th ACM SIGCHI Symposium on Engineering Interactive Computing Systems at Computational Foundry, Swansea, Wales, UK - June 27–30, 2023.

The scope of the vibrant workshop includes (but is not limited to) the following areas and topics:

- video-based technology for health monitoring
- fair and privacy-aware systems
- integration of engineering issues in the design process of video-based AAL
- legal requirements and privacy issues for data collection and processing in care
- user acceptance criteria for video-based AAL
- GDPR requirements for video-based AAL solutions
- best practices of interdisciplinary collaborations between legal, technical, social, health sciences

Important Dates

- Submission deadline: ~~29.05.2023~~ **09.06.2023**
- Notification of acceptance: ~~09.06.2023~~ **12.06.2023**
- Camera-ready submission and registration to the workshop deadline: ~~12.06.2023~~ **15.06.2023**
- Planned workshop day: 27.06.2023 (half-day)

Submission guidelines and instruction for authors

The workshop will feature two types of research presentations:

- **Out-of-proceedings works**

  Authors are invited to submit an extended abstract of no more than 2 pages, following the guidelines described here. The organizing committee will review each submission, with two organizers evaluating the relevance of the research to the workshop's themes.

  - **Research highlights**

    Research highlights showcase novel, archived research in video-based AAL systems to a wider audience. Relevant publications from archival sources after April 2020 will be considered. The summary should include authors' names, publication date, and a link to the work (DOI or other).

  - **Works-in-progress**

    Works-in-progress is an opportunity for authors to receive feedback on their ongoing research in video-based technologies for AAL and healthcare. It is a non-archival venue, so we encourage submissions that authors plan to expand on in future work.

- **Archival original work**

  The original archival work track presents new research in video-based AAL systems, providing insights into emerging technologies and practices. Submissions are single-blinded reviewed by at least three reviewers, who assess criteria such as originality, significance, clarity, soundness, relevance, and technical content. Conference guidelines suggest no restrictions on paper length or references. Papers should be concise and clear, commensurate with their contributions. Workshop contributions will be published by Springer as an LNCS volume, with guidelines available here. Prior to publication, these papers will be reviewed by a program committee defined by each workshop and they will have the opportunity to be revised in light of reviewers' comments and the workshop discussion.

Please submit your contribution using this form

Contributions to the workshop are either presented as 12-minute oral presentations or as poster presentations during an informal coffee break. In-person attendance is strongly preferred and encouraged. However, virtual options to attend the workshop are provided on request. Please indicate whether you wish the highlight to be considered for an oral presentation, poster presentation, or both.

For each accepted submission, at least one author must register for and attend the workshop. Registration for the main conference is not mandatory. EICS 2023 registration fees are forthcoming. Registration fees for EICS 2022 are available here. Fees for EICS 2023 will be in the same range.

The workshop is supported by the MSCA Innovative Training Network VisuAAL and the GoodBrother COST Action. Information and possibilities for receiving travel grants as young researchers and innovators are available at the GoodBrother project and EICS conference.

Organising committee

The workshop is organised by the following members of the MSCA ITN VisuAAL.

- Irene Ballester, Computer Vision Lab, TU Wien, Austria

- Caterina Maidhof, Human-Computer Interaction Center, RWTH Aachen University, Germany

- Wiktor Mucha, Computer Vision Lab, TU Wien, Austria

For additional information, please write an email to the address:

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