

Call for papers

AI at the workplace –
design components for the future of work



HumAIne

Human-centered
AI job design

67TH SPRING CONGRESS

Gesellschaft für Arbeitswissenschaft

March 3rd - 5th 2021

Ruhr-Universität Bochum
Germany



Conference Subject

There is an increasing number of jobs with distributed intelligence among humans and computers. Artificial intelligence (AI) enters our daily work processes and influences the interplay between agents, technology and institutional properties. The spring congress aims at a distinct view on new developments where methods of machine learning are integrated in job design. We want to specify the opportunities, threats, ambiguities and frictions with respect to processes and results. In line with the ethical principles of our discipline we face approaches for a human-centered integration of AI in the workplace.

We especially appreciate contributions which face the interaction between people, AI and context factors or take the more narrow view on human-computer-collaboration. Another interest relies on the use of AI in system (self-)regulation. The type of paper might be theoretical or empirical. Scientific discourses on good and bad practices are appreciated. Contributions can have a branch focus and provide us with specific insight in industry, services, craft work, agriculture, healthcare or educational institutions.

The scientific discourse can align to technology acceptance, socio-materiality of technology, technology assessment, corporate healthcare and occupational safety, vigilance and motivational job design, co-determination and participation, reliability, error communication and precision of AI.

In addition, we appreciate submissions which go beyond the conference subject, e.g. digital assistance systems, training and development with AR- and VR-technology or assistive technologies for inclusion and differential work design.

Format

The conference format is hybrid. It provides face-to-face interaction and exchange on site while adhering to the rules of social distancing. In parallel it provides a virtual participation with the conference system ZOOM. In case of a more severe Covid19-pandemic we will shift to an overall virtual conference format. Conference fees will be adjusted to the situation.

The conference language is German and English. There will be English-speaking tracks and keynotes.

Submissions

We invite Paper submissions for conference presentations and the PhD workshop (either in German or English language). There is a structured procedure with abstract submission, reviews & feedback and final paper submission.

Moreover, we invite video submission "join my lab" with a maximum of 4 minutes. The videos should introduce specific lab infrastructure for exploring the work settings with AI. As travelling might be restricted for a longer time we search for new ways for introducing research infrastructure, new research methods and enhancing lab exchange with special focus on PhD candidates. Videos will be available in the virtual part of the conference.

Publications

The GfA provides the opportunity to publish selected "Best in Session" contributions in its Journal "Zeitschrift für Arbeitswissenschaft" (edition 2022). The respective speakers will be invited after the spring congress.

Keynote Speaker

March 4th, 2021: Albrecht Reimold, Board Member Production and Logistics of the Porsche AG, Stuttgart

Prof. Dr. Dieter Spath, president acatech

March 5th, 2021 Prof. Sharon Parker, Director of the Centre for Transformative Work Design | Future of Work Institute, Perth, Australia & Prof. Dr. Gudela Grote, ETH Zurich:

"Automation, algorithms, and beyond: Why work design matters more than ever in a digital world"

Currently planned site visits:

Learning & Research Factory at the Chair of Production Systems, Bochum

German Mining Museum, Bochum

German Industrial Safety and Health Exhibition (DASA), Dortmund

Research buildings ZESS & THINK (former Opel assembly plant site), Bochum

Submission deadlines

October 2nd, 2020: Submission of abstracts for paper and PhD workshops (max. 2200 characters) and registration of "join my lab" videos via GfA homepage

(www.gesellschaft-fuer-arbeitswissenschaft.de)

End of October: Meeting of the Program Committee*

after November 2nd, 2020: Feedback from the board of reviewers (acceptance, rejection)

December 13th, 2020: Full paper submission (max. 6 pages) or video upload (max. 4 min)

* You will receive a feedback letter from the GfA office with a short review to the submitted abstract, the format templates for the design of accepted papers and an invoice for the conference fee.

Figure: Learning & Research Factory
at the Chair of Production Systems, Bochum

PhD Workshops

March 3rd, 2021: the PhD. workshops of the GfA will take place under the supervision of Prof. Dr. Karsten Kluth, University of Siegen & Prof. Dr. Oliver Sträter, University of Kassel. The Learning and Research Factory (LFF) of the Chair of Production Systems (Prof. Dr. Bernd Kuhlenkötter) serves as workshop facility. The LFF is next to RUB's campus and is very likely to support and facilitate on-site exchanges.

Contact

Hosts:



Prof. Dr. Annette Kluge
*Chair of Work, Organization and Business Psychology
Department of Psychology*



Prof. Dr. Uta Wilkens
*Chair of Work, Human Resources and Leadership
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