

Call for Papers

“European Psychology of Human-Computer Interaction”

A Special Issue of *European Psychologist*

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Digitalization and the extensive changes it is having on people as individuals, groups, in organizations, or societies challenge psychology. Digitalization means technology and technologies mean designing them. Psychology can and must make a contribution here.

Human-computer interactions (HCI) today provide both conditions and content of human psychology, by acting as the digital environments that enable and intermingle human work, learning, and play domains. Early human factors work on aircraft sound locators built and used during the Great War (WWI) showed that national work styles influenced the design of how to operate these air defence systems (Bartlett, 1932). Today, the European context with its unique diversity of social and technical cultures calls for psychological inclusive and sustainable innovations for HCI (Clemmensen, 2024). This special issue aims to expose the many contributions of European HCI psychologists to HCI specifically and to psychology in general and with a focus on European HCI issues.

The Psychology of Human-Computer Interaction

The field of HCI studies the interaction between humans and technology. Here foundational knowledge and theories about humans is significant. For example, how do individuals perceive technologies, how do they interact with them and how do they behave towards them.

The need for a psychology of technology design has long been known (Wilpert, 2005). The notions of usability and user experience are key notions for HCI psychologists (Hassenzahl, 2010; Law et al., 2009; Sauer et al., 2020), though technology design and sociotechnical systems are not used enough as key concepts in academic publications in psychology (Ulfert et al., 2024).

The future European psychology of HCI is deeply socio-technical. Psychology professionals within HCI must design

enabling and intermingling work, learn, and play environments, while psychology researchers within HCI must integrate insights from research on algorithms, AI, Robots, as well as on interaction design, usability, and mental models. Psychological methods such as projective testing (Lallemand & Mercier, 2022) and verbalisation (Jansson et al., 2015) are renewed for HCI contexts, and psychometrics are used to measure HCI user experience and usability (Baumgartner et al., 2021).

Special Issue Focus

This special issue on “European Psychology of Human-Computer Interaction” aims to address these challenges by inviting HCI researchers with a strong background in psychology to write a review paper that presents important insights for future European psychology of HCI. Topics of interest include, but are not limited to:

- HCI psychological phenomena/concepts, e.g., usability, user experience, mental models
- Psychological theory in HCI, e.g., self-determination, theory of reasoned action, activity theory
- Psychological methods in HCI, e.g. qualitative methods, psychometric approaches

Contributing to this special issue is an opportunity to shape the future of European psychology of HCI and influence industry practices and academic understanding. We welcome reviews of all genres of the above and related topics, including systematic, scoping, narrative, hermeneutic, theoretical, and design-oriented reviews.

Special Issue Editorial Committee

The special issue’s editorial committee is comprised of

- Effie Law, Durham University
- Anders Arweström Jansson, Uppsala University

- Cornelia Gerdenitsch, AIT Austrian Institute of Technology
- Maria Ianeva, CRTD - Centre de recherche sur le travail et le développement
- Andreas Sonderegger, Berner Fachhochschule Business School
- Sari Kujala, Aalto University
- Anna Spagnolli, Padova University
- Elisa Mekler, IT University, Copenhagen
- Antonella De Angeli, Trieste University

Timeline

Authors are invited to submit their manuscripts until the final deadline

December 1, 2025.

Submission

Before the final deadline, there will be an **extended process** designed to support authors.

First, authors are invited to submit extended abstracts directly to the guest editor tc.digi@cbs.dk by end of 2024. Based on selected abstracts, the guest editor will invite himself to a paper-discussion online or physical at each submitting author's university, to discuss paper drafts with authors, and then agree on selection of promising projects and narrow down the special issue's scope accordingly. The paper-discussion-visits are scheduled for the winter/spring period, with the aim of having a draft set of papers and a clear scope of the issue when spring comes. After the initial abstract submissions, there will be two rounds of submissions, in which each submitted paper will be reviewed by at least three reviewers. The guest editor will during the process consult the editorial board, which will also function as a review board.

- **December 31, 2024:** Extended abstract submissions via email to the corresponding special issue editor for early feedback and invitation to the special issue paper discussion visit. Results are announced by end of February 2025.
- Extended abstracts should aim at not exceeding 5 single-spaced pages, including references, tables, and figures, loosely following the EP formatting guidelines available at <https://www.hogrefe.com/us/journal/european-psychologist>
- **January 1, 2024–March 1, 2025:** Special issue paper-discussion-visits by guest editor: A paper-discussion online or physical at the submitting author's university to discuss the contribution to the special issue.
- **May 1, 2025:** Submission of full papers
- **August 1, 2025:** Reviewer feedback to authors

- **December 1, 2025 (final deadline):** Submission of revised papers
- **February 1, 2026:** Reviewer decisions about acceptance/rejection of revised papers
- **May 1, 2026:** Decision about acceptance/rejection of revised papers to authors (Final decisions and online publication soon afterwards)
- **Publication:** Shortly afterwards

Submissions

Because the *European Psychologist* privileges review, integrative articles, and which are of relevance for the European context and particularly for the 350,000 psychologists represented by the 37 associations members of the European Federation of Psychologists' Associations (EFPA), manuscripts should take a broad, synthesizing view within the interface between psychology and technology, including directions for further research and developments in the field. All manuscripts will be peer-reviewed, and should be prepared in accordance with the journal guidelines. Submissions should be submitted exclusively via the online submission system <https://www.editorialmanager.com/ep>

Manuscript Preparation

Original articles should not exceed 7,500 words including abstract, references, figures, and tables, but may be allowed more space on a case-by-case basis. Manuscripts should be prepared in accordance with the journal's author guidelines available on the journal's website at

<https://www.hogrefe.com/j/ep>

Contact Details

If you have any questions concerning editorial matters, please contact

- the Managing Editor of *European Psychologist*:
eo.europeanpsychologist@gmail.com, or
- the Special Issue Editor:
Torkil Clemmensen
tc.digi@cbs.dk

Should you have any technical queries regarding the online submission system, please contact production@hogrefe.com.

Only papers that have not previously appeared in or are currently under consideration for another publication can be considered for publication. Manuscripts are subject to peer review and may be returned to authors for revision.

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Published online November 21, 2024

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