Call for Papers
International Symposium on Technikpsychologie – celebrating 100 years of interdisciplinary research at TU Darmstadt
(TecPsy 2023)

February 15th, 2023, Darmstadt, Germany
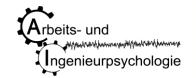
Symposium Description:

We like to invite you to submit a contribution to and participate in the International Symposium on Technikpsychologie – celebrating 100 years of interdisciplinary research at TU Darmstadt!

Industry 1.0, the introduction of mass production, started around 1800 and lasted about one century. The following **Industry 2.0** introduced production lines and piece-rate work. Psychological and socio-technical problems were observed and systematically studied in the 1920s. 1922, the "Institut für Psychotechnik" was founded in Darmstadt, Germany. Its scope was the interaction of humans in socio-technical work systems. Human factors were identified as important for the individual worker already at that time. Since **Industry 3.0**, the introduction of the first functional computers in the 1940s, they become increasingly relevant for all of us. **Industry 4.0** is characterized by fully automatized productions, supply chains, and mobility processes in the IoT "Internet of Things", for example, smart homes with their privacy, safety, and security problems. **Industry 5.0** develops increasingly effective and satisfying direct human-robot-interactions, artificial intelligence, and machine learning. Finally, technology is networking our lives completely, private and at work.

On the basis of this history, the conference is an outstanding opportunity to present interdisciplinary research and development activities across departments of engineering and natural sciences as well as human and social sciences. Especially contributions about the current mega trends Digitalization, eHealth, eMobility, Human Centred Design and Interaction HCI, Privacy, Safety, Security, Smart Cities, Smart Living, Sustainability are welcome. This interdisciplinary symposium thus seeks submissions from a wide range of disciplines (psychology, engineering, computer science, architecture, design, HCI, law, economics, sociology, philosophy, ethics, medicine, ergonomics, governance and many more) that cover the various aspects of "Technikpsychologie".

Topics of interest include, but are not limited to psychological aspects of:
- Smart Living & Smart Cities
- Driving, Smart Cars, Motorbikes & E-Bikes
- Internet of Things
- Ambulatory Monitoring
- Locomotion Assistance
- Resilience Engineering
- Aviation
- Augmented Reality
- Virtual Reality
- Human-Robot-Interaction
- Usable Security & Usable Privacy
- Explainable AI

- Technology Education
- Ethical Aspects of Technology
- Legal Aspects of Technology

Important Dates

Submission Deadline: **September 2, 2022**
Author Notification: **November 2, 2022**
Proceedings Version: **November 30, 2022**
Symposium Main Track: **February 15, 2023**
Symposium Workshops: **February 14 & February 16, 2023**

Submission Guidelines

We are currently implementing the submission system and will publish the link as soon as it is available.

All submissions should contain original work and be written in English. We especially encourage submissions describing empirical studies, literature analyses, and submissions that provide an overview of the state of the art of a research field. Submissions should not, wholly or in part, be under consideration at other venues (conferences, journals, etc.) at the time of submission to TecPsy 2023.

The submissions are subject to a double-blind peer-review process and must therefore be anonymized. This means, all author information and potentially identifying information should be removed from the submission. Own previous work should only be blinded if absolutely necessary and otherwise be referred to in the third person.

Please use the templates (Word, Overleaf) available on the symposium website with references according to the APA format for your submission:
https://www.arbing.psychologie.tu-darmstadt.de/symposium/index.de.jsp

The submissions should not exceed 20 pages excluding well-marked references and appendices limited to 8 pages. Please ensure that your submission is a PDF file generated using the template available at LINK. Reviewers are not required to read the appendices; hence these should only provide additional supporting information.
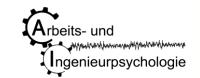
Symposium Chair

Joachim Vogt, TU Darmstadt, Germany

Programme Chairs

Nina Gerber, TU Darmstadt, Germany
Verena Zimmermann, TU Darmstadt, Germany

Programme Committee

Philipp Beckerle, Friedrich-Alexander-Universität Erlangen-Nürnberg (FAU), Germany
Patrizia Di Campli San Vito, Glasgow University, Scotland
Tobias Dienlin, University of Vienna, Austria
Wolfgang Ellermeier, TU Darmstadt, Germany
Yvonne Ferreira, FOM Frankfurt, Germany
Thomas Franke, Universität zu Lübeck, Germany
Tim Hagemann, Fachhochschule der Diakonie, Germany
Jop Havinga, Griffith University, Brisbane, Australia

Lutz Jänke, University Zurich, Switzerland
Angelika Kern, TU Darmstadt, Germany
Alisa Lindner, Hochschule Coburg, Germany
Hans-Joachim Linke, TU Darmstadt, Germany
Karola Marky, Glasgow University, Scotland
Florian Müller, Kassel University, Germany
Otilia Pasnicu, TU Darmstadt, Germany
Karen Renaud, Strathclyde University, Glasgow, Scotland
Christian Reuter, TU Darmstadt, Germany
Christoph Santel, Garrecht Avionik GmbH, Germany
Jürgen Sauer, Université de Fribourg, Switzerland
Linda Seyda, Kassel University, Germany
Alina Stöver, TU Darmstadt, Germany

Organizing Chair
Angela Dressler, TU Darmstadt, Germany

Organizing Committee
Yvonne Ferreira, FOM, Frankfurt, Germany
Nina Gerber, TU Darmstadt, Germany
Otilia Pasnicu, TU Darmstadt, Germany
Alina Stöver, TU Darmstadt, Germany
Verena Zimmermann, TU Darmstadt, Germany