

3rd call for contributions



Call for contributions

As it enters into its second decade, the Berlin Workshop on Human-Machine Systems 2015 will have a slightly revised format. Some of the characteristic features will be retained, e.g. the presentation format with 20-minute papers in German with the same time available for discussion. This year more contributions in English will be included on research and development topics in order to improve the integration of international research in the field of human-machine systems.

There are four options for submissions: The *Workshop Track* allows the presentation and active discussion of work in progress. The *Research Track* is reserved for work which is more advanced or completed and which will be presented to scientists working in a university or an industrial setting. Posters can also be presented for discussion in a special session.

Another important new addition is the *Focus Track*, on the second day of the workshop. It provides a whole day for international researchers to deliver papers in English. The topic this year is '*Trends in Neuroergonomics*'. It will offer insights into the latest approaches to research in neuroergonomics, the scientific investigation of how the human brain performs in real-world tasks. This year, papers will cover new approaches which allow the imaging of human brain activity during active movement and interaction with a system. New approaches will also be presented for the evaluation of neurophysiological data in real-time, allowing direct control of systems by means of human brain activity.

The focus track will have several invited lectures given by well-known researchers from different labs across the world.

Programme

- *Workshop Track*
- *Research Track*
- *Focus Track*
- *Poster Session*

Main topics in 2015

- **Focus Track:** Trends in Neuroergonomics (Mobile Brain/Body Imaging, Brain-Computer Interfaces, Neuroadaptive Technology)
- Usability & User Experience
- Modelling & Simulation of Human-Machine Systems
- Cognitive Modelling
- Technology Design and Demographic Change
- Multimodal Use Concepts
- Methods for the Design, Evaluation and Anticipation of Human-Machine Systems

Dates and deadlines

01.05.2015	Deadline for the submission of abstracts, Focus Track contributions, and proposals for Special Sessions
01.06.2015	Start of review of contributions
01.07.2015	Release of provisional programme and start of registrations for Workshop
01.08.2015	Deadline for submission of manuscripts
Wed 7 Oct. - Fri 9 Oct, 2015	11th Berlin Workshop on Human-Machine Systems

11th Berlin Workshop on Human-Machine Systems

Focus Track:

Trends in Neuroergonomics

07 - 09 October 2015

Venue: Berlin-Brandenburg Academy of Sciences and Humanities

Technische Universität Berlin
Department of Psychology and Ergonomics



Submissions

Specialists from various fields (engineers, computer scientists, psychologists, designers, etc.) are invited to submit proposals for *Special Sessions*, and papers in German or English for the *Workshop Track*, *Research Track* or *Focus Track*. If preferred, contributions can also be submitted as Poster.

Special Session

In a *Special Session*, the proposers have a 2-hour block at their disposal for their special topic. They can choose their own format (e.g. panel discussions, debates, or workshops). Submissions for *Special Sessions* should include the title of the session, the names and addresses of the organisers, and an overview of the planned *Special Session* (about 1000 words) with a list of authors or participants. Where appropriate, the individual contributions should be submitted together (each about 1600 words).

Workshop Track

The *Workshop Track* is dedicated to the presentation and active discussion of work in progress. It is intended to encourage interaction between the participants during the workshop. Contributions can be as oral presentation of posters. Submissions for the *Workshop Track* should include the title, the names and addresses of all authors (with e-mail address), the chosen presentation form (oral presentation or poster), the presentation language (German or English), the relevant subject topic, and the contribution itself (about 1600 words).

Research Track

The *Research Track* is reserved for work which is at an advanced stage or already completed and which will be presented to scientists working in a university or an industrial setting. Papers submitted for the *Research Track* should include the title, the names and addresses of all authors (with e-mail addresses), the

presentation language (German or English), the relevant subject topic, and the contribution itself (about 1600 words).

Focus Track – Trends in Neuroergonomics

For the *Focus Track*, scientists will be invited to give talks on work they have completed in the field of neuroergonomics. Young investigators (post-docs or PhD students) are invited to submit contributions for consideration on their own initiative (in the same format as for the *Research Track*). We particularly welcome submissions from female scientists. Technological contributions, applications, and analytical approaches will be considered. Contributions will be presented and published in English. After acceptance of a contribution for the *Focus Track*, an extended form (about 12,000 words) will be subjected to *peer review* as a full scientific paper for publication (see below).

After receiving the submissions for all Tracks, the Programme Committee will decide which to include in the workshop programme.

Online submission process is open now. Please send your manuscript through:

www.conftool.net/bwmms2015/

Publication of contributions

In the tradition of the Berlin Workshop, all accepted contributions for the Workshop Track and Research Track will be made freely available on the Internet and published with ISBN number in the Proceedings of the 11th Berlin Workshop on Human-Machine Systems. The published contributions will have a length of four pages. As a new feature, contributions to the Focus Track can be published in the journal *Frontiers in Human Neuroscience*. These scientific papers will, however, first be subjected to an additional, external peer review.

Organiser

Department of Psychology and Ergonomics (IPA)
Technische Universität Berlin

Venue

Berlin-Brandenburg Academy of Sciences and Humanities
Jägerstr. 22/23,
10117 Berlin, Germany
www.bbaw.de/en

Registration

	till 31.7.15	from 1.8.15
Industry	550 €	650 €
Member of Educational Inst.	350 €	400 €
Student	175 €	175 €

Organisation of the Focus Track

Biological Psychology and Neuroergonomics, IPA
www.bpn.tu-berlin.de
Prof Klaus Gramann
Dr Thorsten O. Zander

Conference coordination & organisation

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