

## Call for Contributions

**1. Inform Adrien Brunet:** with the Title of your Contribution

**2. Submission URL:**

<https://www.iariasubmit.org/conferences/submit/newcontribution.php?event=ACHI+2018+Special>

Please select Track Preference as **HUM-IND4.0-2018**

### Special track

## HUM-IND4.0-2018: Human-centred Industrial Technologies

Chair and Coordinator: Dr. Steffen Scholz, Karlsruhe Institute of Technology (KIT)/Institute for Applied Computer Science (IAI), Germany  
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### Organising committee:

Adrien Brunet, Karlsruhe Institute of Technology (KIT)/Institute for Applied Computer Science (IAI), Germany  
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Christian Wögerer, Profactor GmbH, Austria  
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along with

**ACHI 2018**, The Eleventh International Conference on Advances in Computer-Human Interactions

<http://www.iaia.org/conferences2018/ACHI18.html>

Digitalisation of the industry is a growing theme and the human factor is one of its important elements. Internet and local network connect machines, devices and human together to improve device quality and productivity. In this track, we intend firstly to focus on additive manufacturing technologies which coupled with digitalisation have a strong impact on human interaction, namely, through design freedom and personalisation.

Secondly, nano- and micro-technologies have been recognized as key enabling technologies by the European Commission and promise great outcome in medical and other sort of human-centred applications. We want in this special track to present human-centred nano-enabled applications, but also safe-by-design and risk management approaches.

### Topics include, but not limited to:

- Human-centred process optimization and systems integration
- Human-centred chains
- Human-centred risk management and nano-technology
- Human-centred automation processes and technologies
- Human-in-the-middle for micro- and nano-technology simulations
- Industry chains and human-robot and human-agents interaction
- Micro- and nano-technology-oriented human challenges
- Human-oriented manufacturing processes
- Human aspects for reliable process chains
- Risk management on nano-particles/interaction with human beings
- Human-skills and nano-technologies (e.g., additive manufacturing)
- Industry 4.0 human-oriented challenges

### Contribution Types

- Regular papers [in the proceedings, digital library]

- Short papers (work in progress) [in the proceedings, digital library]
- Posters: two pages [in the proceedings, digital library]
- Posters: slide only [slide-deck posted on [www.iaia.org](http://www.iaia.org)]
- Presentations: slide only [slide-deck posted on [www.iaia.org](http://www.iaia.org)]
- Demos: two pages [posted on [www.iaia.org](http://www.iaia.org)]

### **Important Datelines**

- Inform [adrien.brunet@kit.edu](mailto:adrien.brunet@kit.edu) : As soon as you decided to contribute
- Submission: December 7, 2017
- Notification: January 12, 2018
- Registration: January 26, 2018
- Camera ready: February 5, 2018

*Note: These deadlines are somewhat flexible, providing arrangements are made ahead of time with the chair.*

### **Paper Format**

- See: <http://www.iaia.org/format.html>
- Before submission, please check and comply with the editorial rules: <http://www.iaia.org/editorialrules.html>

### **Publications**

- Extended versions of selected papers will be published in IARIA Journals: <http://www.iaiajournals.org>
- Print proceedings will be available via Curran Associates, Inc.: <http://www.proceedings.com/9769.html>
- Articles will be archived in the free access ThinkMind Digital Library: <http://www.thinkmind.org>

### **Paper Submission**

<https://www.iaiasubmit.org/conferences/submit/newcontribution.php?event=ACHI+2018+Special>

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### **Registration**

- Each accepted paper needs at least one full registration, before the camera-ready manuscript can be included in the proceedings.
- Registration fees are available at <http://www.iaia.org/registration.html>

### **Contact**

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