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Special Session on

"Human Factors in Industrial Automation based on Cyber-Physical Systems Technologies"

Organized by

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Call for Papers

Theme: This special session invites people working on the modelling, analysis, and design of industrial and social cyber-physical systems that relate to human factors, such as usability, human-in-the-loop, collaboration. Nowadays, automation technology is becoming more and more widely used in industries and our society. How do humans fit in with the industrial automation distributed by means of CPS? This SS tries to provide a place for researchers and engineers to present their state-of-the-art results and to discuss the related topics with broad interest. Contributors are encouraged to submit their papers to this special session including modelling and methods from mechanical, electrical, environmental, biomedical, chemical, and physical aspects with a special focus on the effect of human factors.

Topics of interest include, but are not limited to:

- Advances in human factors in energy and power distribution
- Human factors in AI
- Human interactions with environment
- Human-Robot cooperation
- Modeling and control of Human-in-the-loop cyber-physical systems
- Usability of human factors in cyber-physical systems