



May 16-18, 2018, Stockholm, Sweden

## Call for Papers

Dear Colleagues,

The Chair and Co-Chair of the **51st CIRP Conference on Manufacturing Systems (CIRP CMS 2018)**, Prof. Lihui Wang and Prof. Torsten Kjellberg, cordially invite you to attend CIRP CMS 2018, to be held at Waterfront Convention Centre in Stockholm, Sweden, from May 16 to 18, 2018. This conference is collocated with the 8th Swedish Production Symposium ([SPS 2018](#)).

**A special workshop is organised focusing on Human-Robot Collaboration, as a unique dissemination opportunity for EU funded projects.**

The theme of the conference is “Smart Manufacturing”, aiming to continue the effort in providing this leading annual forum for researchers and practitioners. Authors from both academia and industry are invited to submit papers in all aspects of theories, methodologies, applications, and case studies related to their work in this context. A non-exhaustive list of topics is presented below. The conference contributions will be published in electronic format by Elsevier and indexed accordingly.

All the necessary information, timely updated, can be found on the conference website: [www.cirp-cms2018.org](http://www.cirp-cms2018.org)

*Lihui Wang, Torsten Kjellberg and the Local Organising Committee*

### Important deadlines:

- |                         |                       |                     |               |
|-------------------------|-----------------------|---------------------|---------------|
| • Abstract submission   | <b>Sept. 30, 2017</b> | • Paper acceptance  | Mar. 10, 2018 |
| • Abstract acceptance   | Oct. 31, 2017         | • Camera-ready copy | Apr. 01, 2018 |
| • Full-paper submission | <b>Dec. 31, 2017</b>  |                     |               |

### Conference topics:

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|---|---|
| • Artificial intelligence in manufacturing        | • Logistics and supply chain                                |
| • AR and VR in manufacturing                      | • Manufacturing education                                   |
| • Big data analytics in manufacturing             | • Manufacturing execution control                           |
| • Biology-inspired manufacturing systems          | • Modelling, simulation and optimisation                    |
| • Challenges in factory of the future             | • Process planning and scheduling                           |
| • Cloud-based manufacturing                       | • Remote monitoring and control                             |
| • Condition monitoring and maintenance            | • Resource efficiency and sustainable manufacturing systems |
| • Cyber-physical systems in manufacturing         | • Robotics and automation in manufacturing                  |
| • Design and engineering of manufacturing systems | • Smart manufacturing                                       |
| • Diagnosis and prognosis                         | • Smart sensor networks                                     |
| • Event-driven production planning and control    | • Total quality control                                     |
| • Human-machine interaction                       | • Other manufacturing topics                                |
| • Human-robot collaborative assembly              |   |
| • Internet of manufacturing things                |   |

### Contact:

Dr. Xi Vincent Wang, Chair of Local Organising Committee · E-mail: [info@cirp-cms2018.org](mailto:info@cirp-cms2018.org) · Tel.: +46 (0) 8-790 90 24