



Trondheim Norway
May 31 – June 2, 2017



13th IEEE International Workshop on Factory Communication Systems



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Call for papers Special Session on Cooperative and Dependable Wireless Cyber-Physical Systems

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Description: Cyber-Physical Systems (CPS) tightly interact with the physical environment in an unprecedented ubiquitous and pervasive fashion, and hold the promise of a revolution in the way we perceive the world and interact with it. These are enabling new cooperative and decentralized solutions that are targeting several domains, and particularly in industrial automation enabling the Digital Factory of the Future (Industry 4.0). CPS are also increasingly finding their way into safety-critical applications such as cruise control, autonomous vehicles control, and flight control systems. In these systems, dependability and security are of the utmost importance. Also, challenges such as timeliness, robustness and security must also be addressed if these infrastructures are to become a reality.

Scope: This special session is a forum to bring together experts of industry and academia that work on the implementation of wireless CPS – together with their visions, techniques and results – to stimulate the creation of synergies on CPS, to facilitate the exchange of ideas for the creation of novel approaches, and to refine the current vision of the 4th Industrial Revolution.

Focus on: Communication infrastructures, Industrial CPS/IoT architectures, real-time/QoS requirements, communication protocols, data integration technologies, algorithms for data dissemination/collection, real deployments.

Topics: Dependability in CPS (real-time, reliability, availability, safety, security); Methodologies and tool chains for modelling and simulating CPS; Emerging applications in CPS, including automotive, aerospace, railway, and maritime domains; Self-organization and energy efficiency CPS; Control and Optimization of CPS; Networking systems for CPS applications.

Submission of Papers: Manuscripts must be submitted electronically in PDF format, according to the instructions contained in the Conference web site. Contributions must contain original unpublished work. Papers that have been concurrently submitted to other conferences or journals (double submissions) will be automatically rejected. Papers are to be submitted electronically in PDF format. Two types of submissions are solicited: Long Papers – from 8 to 10 double-column pages. Work-in-Progress Papers – limited to 4 double-column pages. For further details, please consult the conference web pages.

Paper Acceptance: Each accepted paper must be presented at the conference by one of the authors. The final manuscript must be accompanied by a registration form and a registration fee payment proof. All conference attendees, including authors and session chairpersons, must pay the conference registration fee, and their travel expenses.

Author's Schedule:

Submission deadline: March 5, 2017
Notification for acceptance: April 16, 2017

Deadline for final manuscript: May 7, 2017
Conference: May 31 – June 2, 2017



FURTHER INFORMATION: <http://wfcs2017.org>