



CALL FOR PAPERS

8th IEEE International Workshop on Factory Communication Systems

Communication in Automation



May 18-21, 2010
Nancy, France



Sponsored by: INRIA and IEEE Industrial Electronics Society

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SCOPE:

The WFCS workshop is the largest IEEE technical event specially dedicated to industrial communication systems. The aim of this workshop is to provide a forum for researchers, practitioners and developers to review current trends in this area and to present and discuss new ideas and new research directions.

FOCUS ON:

- *Real-time and Dependability in Industrial Communication Systems:*

Message scheduling; task allocation; fault-tolerant communication; performance analysis; safety and security issues; synchronization.

- *System Integration in Industrial Automation Systems:*

Vertical and life-cycle aspects, web-based setup, maintenance, and configuration; transparency vs. security; data-flow management; internetworking; hybrid wired/wireless industrial infrastructures.

- *Information and Communication Technology in Automation:*

System design; component-based systems, web frameworks; mobile computing; modeling and specification techniques; formal methods.

- *Recent advances in research domains with similar technical requirements:*

Networked control systems; wireless sensor networks; building automation networks; automotive and train-control networks; distributed real-time embedded systems.

WORKSHOP TOPICS:

Fieldbus networks	Real-time communication and applications
Industrial Ethernet networks	Web-based communication and applications
IP-based networks	Distributed application platforms
Industrial wireless networks	Safety & security in industrial communications
Networked embedded systems	Fault-tolerance in industrial communications
Sensor network	Configuration tools & network management
Building automation networks	Internetworking & interoperability
Automotive and train-control networks	System aspects
Factory and Process automation networks	Case studies

AUTHOR'S SCHEDULE:

Deadline for submission of regular papers: (extended)	January 10, 2010
Notification of acceptance of regular papers:	March 8, 2010
Deadline for submission of work-in-progress papers:	March 1, 2010
Notification of acceptance of work-in-progress papers:	April 6, 2010
Deadline for submission of final manuscripts (regular, WIP):	April 12, 2010

Further information: <http://wfcs2010.loria.fr>