



## Background

Telematics applications benefit from the tremendously increasing capabilities in Web technology, telecommunication, machine-to-machine communication, and information processing. The concepts of Cyber Physical Systems, Industrial Internet and of Internet of Things enlarge the scope of classical remote control and offer several new applications. However, beyond sound reference examples of new technology one needs appropriate theory, methods, proof of concepts and industrial standardization as well. All these aspects are within the scope of the 5th IFAC Symposium on Telematics Applications.

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## Schedule

Paper Submission Deadline (6 pages full paper draft)	March 15, 2019
Invited Session Proposals	March 15, 2019
Notification of Acceptance	May 31, 2019
Camera-Ready Papers	June 15, 2019
Early Registration Deadline	June 30, 2019
Registration Deadline	September 15, 2019

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## Aim

The aim of the conference is to report on recent research and application of telematics. Researchers and practitioners are invited to discuss on recent developments, deployments, technology trends and research results, as well as initiatives related to telematics applications. Both colleagues from academia and from industry are cordially invited to contribute to this tri-annual symposium.





## Scope

This Symposium considers all aspects of communication-based automatic control network systems. Thus advanced methods related to:

- control technologies (remote control, networked control, supervisory control, distributed control)
- communication technology (wireless communication for autonomous systems, vehicular and robotics)
- information processing (distributed information systems, embedded systems, augmented reality, security aspects)
- digitalization of industrial production (networked cars, industry 4.0, cyber physical systems, distributed networked satellites) are within the scope of the Symposium.

## Topics of Interest

The symposium areas of focus include, but are not limited to:

- telematic methods, mathematics of networked systems
- control through networks, control of networks
- cyber physical systems, internet of things
- industry 4.0, digitalization of industrial production
- interoperability for distributed systems
- machine to machine communications
- traffic control systems, smart and networked cars
- intelligent homes and ambient intelligence
- smart grids for energy supply
- mobile sensor networks, remote sensor data acquisition
- tele-robotics, networked robots, cloud robotics
- spacecraft operations, distributed networked satellites
- tele-operations, remote control, tele-maintenance
- tele-education, European-Chinese lab activities to realize networked CPPS
- tele-medicine and e-health

## Submission Guidelines

All submissions must be done through the IFAC Conference Manuscript Management System website at <https://ifac.papercept.net/>. When preparing the paper manuscript the authors should adhere to the IFAC style files for conference papers. All submitted papers must be written in English and are limited to 6 pages. Please be noted that only PDF files complying with the IFAC style rules and PDF requirements are admissible. For further instructions of paper submission please refer to <https://www.ifac-control.org/events/author-guide>.

All accepted papers will appear in the proceedings of the symposium, will be hosted on-line on the IFAC-PapersOnLine website and will be indexed in SCOPUS.

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## Visit Chengdu

Chengdu (<http://www.cometochengdu.com>), as the capital of China's southwest Sichuan Province, is famed for being the home of cute giant pandas. Consisting of abundant mineral resources, the land is extremely fertile. It was the capital of Liu Bei's Shu during the Three Kingdoms Era, as well as several other local kingdoms during the Middle Ages. It is now one of the most important economic, financial, commercial, cultural, transportation, and communication centers in Western China.

## Some Notable Attractions

Chengdu Research Base of Giant Panda Breeding--the giant panda is considered a national treasure of China

Wuhou Temple--It is dedicated to Zhuge Liang, the Marquis Wu of Kingdom of Shu in the Three Kingdoms Period.

Kuanzhai Ancient Street of Qing Dynasty--It is one of Chengdu's historical and cultural reserves, and a microcosm of the city's history  
Jinsha Site Museum--Jinsha culture was a final phase of Sanxingdui culture and represents a relocation of the political center in the ancient Shu Kingdom.

## Transportation

Chengdu is connected with major airports in Europe, America and Asian-Pacific regions. For more details one can refer to the Chengdu International Airport: <http://www.cdairport.com/en/>

The Chengdu urban area is well connected with metro, bus and taxi systems.



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