

10th Conference on Telecommunications Techno-Economics (anniversary edition)
58th FITCE congress on ICT-related aspects
Technically co-sponsored by IEEE Benelux VT/COM Joint Chapter

Call for papers

Today, multiple sources estimate that by 2050, about 70% of the population will live in cities. Furthermore, cities compete on a global level to attract entrepreneurial talent and successful businesses. It is hence of crucial importance that cities offer the best living and working conditions for its citizens as well as visitors.

Digital technology allows to bring new solutions and opportunities to the city, such as automation based on smart sensor applications, sharing knowledge based on open data platforms, and improvements on traffic planning, energy generation and consumption, social interactions, etc.

Both come together in the concept of a smart city: a municipality that uses information and communication technologies to increase operational efficiency, share information with the public and improve both the quality of government services and citizen welfare.

Given that the digital technology is now ready, and that there is demand by the citizens and visitors of the smart city, the main challenge is to bring the solutions and exploit the opportunities in the most efficient way.

This conference aims at tackling the issues raised by introducing digital technologies for supporting socio-economic development, including both theoretical as well as practical aspects, considered from a multi-disciplinary perspective. There is a special focus on smart cities.

We welcome submissions that investigate these issues, focusing on one of the following application domains (not limitative):

- + New communication technologies and their smart city applications, such as 5G, IoT, virtualization etc.
- + Impact on privacy and security, related policies and regulatory challenges
- + Techno-economic cost and/or benefit assessment of networks and applications
- + New business models and pricing schemes for the smart city, IoT and 5G ecosystems
- + Demand / Traffic / Number forecasting for smart city applications and connected devices
- + User requirements
- + Techno-economic tooling and concepts
- + 5G technologies
- + IoT application areas and technical requirements
- + Privacy aware tools / Policies for security and privacy
- + Security Frameworks
- + The impact of network virtualization and cloud computing on CAPEX/OPEX
- + The role of telecom operators
- + Regulatory challenges

The conference is structured in two main tracks:

A SCIENTIFIC IEEE TRACK

- We welcome **original scientific papers** focusing on one of more of the themes mentioned above.
- Papers should follow [IEEE format](#), and not exceed 6 pages in length.
- All papers will be subject to peer review.
- Paper proceedings will be published in IEEEExplore.

AN INDUSTRIAL TECHNOLOGY TRACK

- We welcome **innovative technological contributions** directed to companies and public administrations.
- Proposals for contributions should be submitted in the form of extended abstracts (800-1000 words) and will be subject to a review process as well.
- These contributions will not be included in IEEEExplore

Papers for both tracks can be submitted via EasyChair on [easychair.cttefitce2019.eu](https://easychair.org/conferences/?conf=cttefitce2019).

The following timeline is foreseen

30th March 2019 Deadline for submission	30th June 2019 Notification of acceptance	15th August 2019 Early registration deadline	31st August 2019 Deadline for final papers
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"Smart cities, where technology supports socio-economic development"

For updates and all congress information

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