FTAL CONFERENCE 2021 - SUSTAINABLE SMART CITIES AND REGIONS

Lugano, 28-29 October, 2021

Hosted by the Department of Innovative Technologies (DTI) of the University of Applied Sciences and Arts of Southern Switzerland (SUPSI)

The Association of Swiss Schools of Engineering, Architecture and Life Sciences (FTAL) welcomes you to the FTAL 2021 conference on smart cities and regions. In recent years, the concept of smart cities has been widespread and cities are increasingly taking initiatives to apply disruptive technologies and other solutions to transform their infrastructure, services, or administrations. Recently the Covid-19 pandemic situation has challenged current organization of Smart Cities and Regions. At the same time, Covid-19 pandemic is speeding up the design and development of novel approaches and technologies to build more resilient, inclusive and sustainable cities.

The FTAL 2021 conference will showcase the applied research and technology transfer activities on smart cities carried out by Switzerland's Universities of Applied Sciences jointly with their partners in industry and academia. All forms of relevant research are welcome, including conceptual, theoretical, quantitative, qualitative, and mixed-method studies. Papers with an interdisciplinary nature are welcome.

To foster collaboration in applied research and technology transfer, the FTAL 2021 conference aims to provide networking opportunities to researchers and practitioners as well as to advanced students. Students and junior researchers who are active in applied research and development in academia and/or industry are welcome to contribute.

Within the realm of smart cities and regions, topics of interest include but are not limited to:

- ✓ Mobility and transportation
- ✓ Energy systems and smart grid
- ✓ Water management technologies
- ✓ Waste management technologies
- ✓ Lighting technologies
- ✓ Sustainable food supply chains
- ✓ Smart buildings and infrastructure
- ✓ Architecture
- ✓ Nature based solutions
- ✓ Future Work Environments
- ✓ Cyber-security
- ✓ Internet of Things (IoT) and wireless sensor networks
- ✓ Technologies for the health & well-being of residents
- ✓ Interoperability of heterogeneous systems
- ✓ Smart data analytics
- ✓ Management and control platforms
- ✓ City and Science
- ✓ Urban Facility Management
- ✓ Social aspects of Smart Cities
- ✓ Sustainable built environment
- ✓ Building Information Management and facility management

Highlights:

- ✓ International keynote speakers
- ✓ Technical sessions with oral presentations of peer-reviewed papers
- ✓ Work-in-progress session with poster presentations
- ✓ Awards for best paper and best poster

Important dates:

- Paper, Demo and work-in-progress submission: **25 April, 2021**
- Author notification: **1 June, 2021**
- Camera-ready paper: **1 July, 2021**
- Early-bird registration: **20 June-31 August 2021**

Website: www.ftal.net

Submission process:

- All contributions must be in IEEE conference format and must be submitted in electronic form (PDF) **on EasyChair**. A link to the standard IEEE conference templates (MS Word or LaTeX) are available on the conference website.
- Authors may submit regular papers for oral presentation or work in progress for poster presentation (4 pages). Authors of selected papers could be asked for an extension to 6 pages to be published in the conference proceedings.
- All contributions will be peer-reviewed. Authors of regular papers that are not selected for oral presentation may be invited to present their contribution as a poster presentation.
- At least one of the authors **must** register and attend the conference to present the work.

Registration cost:

	Early-bird registration (till 31.8)	Late registration
Student	CHF 150	CHF 180
Non-student	CHF 200	CHF 250

Conference venue:

The FTAL 2021 will be held at the Lugano East Campus. Various hotels and restaurants are located within walking distance.

For any question, please do not hesitate to contact us at the following e-mail address:
Program committee   Elena Mugellini, Chair (mailto: elena.mugellini@hefr.ch)
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