



**59-th INTERNATIONAL FITCE  
CONGRESS**  
**September 2020, Krakow, Poland**



Congress announcement

***59<sup>st</sup> International FITCE Congress***  
***Federation of Telecommunications Engineers of the European Community***

**28-29 September 2020**

## **5G – Opportunities and Threats**

Host Conference



Congress Organisers



Honorary  
Patronage



**General Chair**

Andrzej Dulka, President of SIT

The 59st FITCE (Federation of Telecommunications Engineers of the European Community) Congress provides the international forum for the exchange of new results among engineers, scientists and researchers on advances in telecommunications and other related areas. The Congress and associated Conference will be held in Krakow, Poland in September 2020. Both, the Congress and the Conference will be organized by The Polish Association of Telecommunication Engineers SIT as a joint event with Polish Network Operators Group PLNOG conference.

## The theme of FITCE 2015 Conference is "5G – Opportunities and Threats".

**The conference is structured in four main tracks:**

- **Scientific track** with special sessions for PhD students
- **An industrial technology track** – equipment / system manufacturers are invited
- **Mobile network operators track – solutions and services/applications** – mobile operators and services suppliers are invited
- **Environmental protection track** – organizations / experts involved in the sustainable development of the 5G network are invited.

We welcome submissions that cover the above issues of 5G, but are not necessarily limited to the following:

- Application scenarios:
  - enhanced Mobile Broadband
  - massive Machine Type Communications
  - Ultra-Reliable Low Latency Communications
- Technical aspects:
  - 5G network infrastructure
  - Massive MIMO, dense networks, multi-access, Multit – RAT, SDN, NFV, MEC, FC
- Economics of 5G implementation
- Frequencies for 5G
- New services and applications using 5G networks in the communication layer
- 5G network security
- Regulations regarding 5G EMF influence

## CALS FOR PAPERS

Proposals for papers in the scientific track should be submitted in the form of extended abstracts (800-1000 words) and will be subject to a review process. The paper should be presented at the conference in oral or poster sessions. The best paper will be selected for award. Note that these papers will be published on the Congress' website and in the university journal.

Proposals for papers/presentation in other tracks should be submitted in the form of short abstracts – acceptance of the presentation will be confirmed. Note that these papers/presentations will be published on the Congress' website.

## IMPORTANT DATES

► Deadline for submission:	April 30, 2020
► Notification of acceptance:	June 15, 2020
► Early registration deadline:	June 30, 2020
► Submission of camera-ready:	July 31, 2020

## ORGANIZERS:

- FITCE, Federation of Telecommunications Engineers of EU  
The FITCE.EU federation is a umbrella organisation of FITCE National Associations. The Federation is directed and managed by an executive committee – *Comité de Direction* (CD) – comprising the President, a member and deputy member from each of the National Associations, the Secretary General, and the Treasurer. The main goal of FITCE is to exchange views and gain insights in new developments and challenges related to technical, regulatory, societal and economic aspects of ICT & media technologies and services.
- SIT, Polish Association of Telecommunications Engineers,  
The Polish Association of Telecommunication Engineers (SIT) is a creative, technical and scientific organization, gathering information and communications technology (ICT) engineers and technicians, as well as people involved in communications in a broad sense.
- PLNOG Polish Network Operators Group  
PLNOG is a conference that brings together Polish Internet service providers, network operators, engineers, decision makers and ICT market enthusiasts twice a year.

**INFORMATION CONTACT:** SIT Poland, e-mail: [zarzad@sit.org.pl](mailto:zarzad@sit.org.pl)

**CONFERENCE WEBSITE:** <http://www.fitce2020.pl>

## CONGRESS COMMITTEES

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*Maciej Sobieraj, SIT Politechnika Poznańska*

**STRUCTURE AND LOCALIZATION:**

- Two day conference: Monday and Tuesday, from 8.00 to 18.00 (session)  
Conference will be co-located with PLNOG 2020, Conference Hotel: [Hotel Metropolo Kraków by Golden Tulip](#),
- Third day (Wednesday) from 8.00 to 11.00 FITCE Congress (with coffee break).  
Localization: AGH premises.

## ABOUT KRAKÓW AND THE SURROUNDING AREA

The city of Krakow, which lies on the banks of the Vistula River, was for centuries the capital of Poland, and has accumulated a quarter of Poland's total number of museum artefacts.



Photo [www.krakow.pl](http://www.krakow.pl)

A visit to Krakow is a meeting with the most glorious era in Polish history. Krakow's Old Town, along with Wawel Castle and the city's Kazimierz district were placed on the First World Heritage List, created by UNESCO in 1978. At that time, such prestigious recognition had been awarded to only 12 of the world's most famous heritage sites, including the Egyptian pyramids and the Great Wall of China. Today, the list contains more than 900 sites worldwide.

**Wawel** is a fortified architectural complex erected over many centuries atop a limestone outcrop on the left bank of the Vistula river in Kraków, Poland, at an altitude of 228 metres above sea level.



Photo: Wiesław Majka

The complex consists of many buildings and fortifications; the largest and best known of these are the Royal Castle and the Wawel Cathedral (which is the Basilica of St Stanisław and St Waclaw). Some of Wawel's oldest stone buildings, such as the Rotunda of the Virgin Mary can be dated to 970AD. There are also wooden parts of the complex which date to about the 9th century. The castle itself has been described as "one of the most fascinating of all European castles."

**St. Mary's Tower** - also known as the Straży (Guard), Budzielnia (Waking), Alarmowa (Alarm) and Hejnalica (Heynal) Tower – is the only tower in the world from which a trumpeter has played the Heynal (bugle call) to the four quarters of the globe every hour throughout the whole day for over six hundred years. In order to see and hear these marvels one has to climb 239 steps to the height of 54 metres. St. Mary's trumpeter needs two and a half minutes. We do not have to hurry that much. What is most important is that up there we are expected by the always cordial hejnal guards, the last magicians of Kraków. Trumpets have played from the towers and gates of Kraków 'forever' announcing the beginning and end of day. Behind the walls the morning opening of the gates was awaited by the travellers met by the night near Kraków.



Photo [www.krakow.pl](http://www.krakow.pl)

Trumpets have played from the towers and gates of Kraków 'forever' announcing the beginning and end of day. Behind the walls the morning opening of the gates was awaited by the travellers met by the night near Kraków. How did these first melodies played from the defensive towers of the City and the Wawel Royal Castle sound like? This we will probably never know. All is known is that when at the end of the 14<sup>th</sup> century Kraków swarmed with Magyars (as Jadwiga, the future wife of Jagiełło, was to come to the throne), one of the barrels with delicious Hungarian wine brought us 'hajnal' from the Danube area. It came and stayed at the Kraków's sky forever. At first it was probably played by Hungarians, and then – when the guard at Wawel and St. Mary's Tower changed – also by Poles.

[https://www.krakow.pl/english/visit\\_krakow/10269,artykul,a\\_guide\\_to\\_krakow.html](https://www.krakow.pl/english/visit_krakow/10269,artykul,a_guide_to_krakow.html)