



54-th FITCE INTERNATIONAL CONGRESS
September 2015, Wrocław, Poland



CALL FOR PAPERS

54th International FITCE Congress

Federation of Telecommunications Engineers of the European Community

3-5 September 2015

ICT FOR SMART APPLICATIONS

Honorary Patronage



Organisers



Sponsor



General Chair



Wojciech Haeke , President of FITCE and SIT

The 54th 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 telecommunication and other related areas.

The Conference will be held in Wrocław, Poland on September 03th-05th, 2015. **Wrocław**, Lower Silesian capital is one of the youngest in respect of the age of citizens in comparison with other cities and towns of Poland, and the city was distinguished by the significant percentage of youth and students. The theme of FITCE 2015 is "ICT FOR SMART APPLICATIONS ". We encourage submission of technical papers and/or abstracts especially on topics related to this theme, but the Conference will cover all subject areas of interest both to the FITCE international community and to IEEE Communications Society members.

Papers will be peer-reviewed by the international TPC. When an abstract is accepted a paper is required for the proceedings and the paper should be presented at the conference in oral or poster sessions. The best paper will be selected for award.

Technical Program Chair:

Publications Chair:

Ryszard Zieliński, Wrocław University of Technology
Sławomir Hanczewski, Poznań University of Technology

Organizing Committee Chair:

Zbigniew Krawczyk, FITCE Poland

National Organizing Committee:

Mirosław Stando, Secretary General of SIT
Małgorzata Porbska, SIT Wrocław

Organizers:

FITCE, Federation of Telecommunications Engineers of EU
SIT, Polish Association of Telecommunications Engineers

Webmaster:

Maciej Sobieraj, Poznań University of Technology

Information Contact:

Ewa Woroszyńska, SIT Poland
e-mail: zarzad@sit.org.pl

Conference website:

<http://www.fitce2015.pl>

IMPORTANT DATES

Submission of abstracts, full papers or tutorials:	June 15, 2015
Notification of acceptance:	June 20, 2015
Submission of camera-ready:	July 12, 2015

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Chair's Message and Topics

Once again Polish Telecommunication Engineers Association (SIT Polska) is delighted to host you in our country during next 54th FITCE Congress in Wrocław, the capital of Lower Silesia Region. We've been honoured already to host 46th and 51 FITCE Congresses in Warsaw and in Poznań, the watchword of that Congresses was dedicated to the actual problems of telecommunication development. This was the sign of our expectations of intense investments in new broadband technologies and of connecting new users and giving them new telecommunication services.

Nowadays we see new prospects for telecommunication services supporting new smart ICT applications. The main topics of the Congress are following, not excluding others:

- Reduction of Energy Consumption and Green Telecommunication
- Smart Metering and Intelligent Power Grids Solutions
- Support of Ageing Lives and Health Services
- Intelligent and Secure Transportation Services
- Electrical Vehicles and Supporting ICT Solutions
- Intelligent Buildings
- Internet of Things, Machine-to-Machine Applications

For sure, electrical vehicles without drivers, distributed and intelligent power grids networks or many other new applications will not be possible without new telecommunication and ICT solutions. The 54th FITCE Congress will be a good reason to meet together and to sum up proposed new ICT and telecommunications technologies and make plans for future activities of our telecommunication society. We value very much this nice opportunity to host you during our 54th Congress of the Federation of Telecommunication Engineers Associations of the European Community.

Finally, we would like to wish you all a very successful and pleasant stay in the city of Wrocław and hope that the Congress will prove to be interesting, stimulating and enjoyable both technically and socially.

With best wishes,



Wojciech Hałka
*General Chair
President of FITCE*



Zbigniew Krawczyk
*Organizing Committee Chair
President of FITCE Poland*

STEERING COMMITTEE CHAIR

Wojciech Hałka, President of FITCE and SIT

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Minister of Administration and Digitization (MAiC)

President of the Office of Electronic Communications (UKE)

BELGIUM

Alexander De Croo – Vice-Prime Minister & Minister of Telecom

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POLAND

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TECHNICAL PROGRAM CHAIR

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ABSTRACT/PAPER SUBMISSIONS

We are expecting submission of high-quality abstracts and/or full papers (in English) reporting original results, research and implementations related to telecommunications deployment on power grid networks and innovative services on above topics. The TPC will review the abstracts/Full Papers on the criteria: innovative subject, fit for FITCE, clearness. Electronic submission is ONLY possible via the website <http://sit.org.pl> . Abstracts should contain name of author and affiliation and an indication of the area of interest as defined in this Call for Papers. Full papers should not exceed **6 pages**, including all figures and references.

TUTORIAL SUBMISSIONS

Proposals are invited for tutorials (in **English**) on topics of interest of the conference. Proposals must be submitted to the Tutorials Chair (tutorials@www.fitce2015.pl) and include title, abstract, full contact information, introduction to the subject, length, past history, biography of the lecturer, and detailed outline.

REGISTRATION FEE

FITCE2015 fee in EUR	Early payment Before May 31.2015	Late payment After May 31.2015
FITCE member	400,00	450,00
Non FITCE member	500,00	575,00
Student 1 day excluding Gala Dinner	50	60
Student 2 days excluding Gala Dinner	75	90
Companion	150,00	200,00
Gala Dinner extra invitation	65	75

For more information please visit: <http://www.fitce2015.pl>

PROGRAMME

Venue: Conference Center, Wrocław University of Technology

Registration:

- 3 September: 8:00-17:30
- 4 September: 8:30-17:00

Thursday, September 3, Morning Sessions	
8.00	Registration Starts
9.00 – 9.45	<i>How to use formal modelling techniques for networks and protocols evaluation ?</i> Tutorial presentation by Edward A. Smith, BT
9.45 – 10.30	<i>Opening Ceremony</i>
10.30 -	<i>Coffee break</i>
10.45 – 11.30	<i>New 5G Technologies</i> Keynote speech by Patrick Marsch, Nokia R&D
11.30 – 12.15	<i>Power Grid and ICT Applications</i> Keynote speech by Jarosław Tworóg, KIGeIT (National Chamber of Electronics and Telecommunication)
12.15 – 13.00	<i>Public debate on Smart ICT Applications</i>
13.00 – 14.00	<i>Lunch break</i>

Thursday, September 3, Afternoon Sessions

Technical Session 1

14.00 –
14.20

Evaluation of Belgian Energy Market Models with Demand Response

Gregory Casier and others, Ghent University

14.20 –
14.40

The App for Smart Cities under a public-private partnership framework

**Ignacio Gurria de la Torre, Javier Gurria de la Torre, Daniel Menchaca,
JIG Internet Consulting**

14.40 –
15.00

New Technologies – New Capabilities

Mauro Ugolini, Roma Tre Univ., Edward Smith, BT

15.00 –
15.20

Advances in Integrated Satellite and Terrestrial Infrastructures: the Case of VITAL Project

George Agapiou, OTR Research

15.20 -
15.30

Coffee break

Technical Session 2

15.30–
15.50

Organometal Halide Perovskites for Energy-Efficient Telecommunication Devices

Kajetan Fijałkowski and Olga Malinkiewicz, Saule Technologies

Mariusz Żal/ Poznań Univ. of Technology

15.50 –
16.10

The Use of Photovoltaic Systems for Powering Telecommunication Equipment

Mirosław Stando, SIT

16.10 – 16.30	<p><i>Semi-Empirical Optimization of CMOS Low-noise Amplifier for Biomedical Data Acquisition</i> Magnanil Goswami, Sudakshina Kundu, West Bengal Univ. of Techn., India</p>	
16.30 – 17.30	<p><i>Smart Grid Solutions for Power Energy Companies</i> Michał Szopski, Alcatel – Lucent Polska</p>	
<p>Friday, September 4</p>		
<p>Social day</p>	<p>Bus trip to the Książ Castle, near Wałbrzych City (around 60 km from Wrocław):</p> <p>09.00 depart</p> <p>11.00 arrive to Książ location</p> <p>11.15 entry to the Castle and guided visit</p> <p>14.00 visit to the Castel’s garden</p> <p>14.30 lunch</p> <p>15.30 depart to Wrocław</p> <p>16.30 arrive to Wrocław and individual city sightseeing</p> <p>20.00 Gala Dinner</p> <p>22.00 end of the programme</p>	

SUTERDAY, SEPTEMBER 5

09:15 - 10:15

Congress Summary Session (Room 1)

10:15 - 10:45

Coffee Break

10:45 - 12:45

FITCE General Assembly

12:45 - 13:00

Closing Remarks

Goodbye and have a safe journey back home

ABOUT WROCŁAW



The centre of Wrocław is navigable on foot, but the city has an excellent public transport system for access to suburbs. Wrocław has many historical monuments. The Cathedral Island (Ostrow Tumski in Polish) is the oldest part of city. There are gothic St. John the Baptist Cathedral and the Holy Cross Church. There is also the Archdiocesan Museum ó the oldest museum in Wrocław. You can find there the 13th century Henrykowska Book with the first sentence written in Polish. Inside the former seat of the city authorities ó the Town Hall ó there is the Museum of Townspeopleø Art where you can see permanent and temporary exhibitions. Is also worth to see collections of the Museum of Medal Engraving Art in the Under the Golden Sun tenement.

Wrocław is the fourth largest city in Poland and the largest one in the west of the country. City is inhabited by over 630 thousand of citizens.

As the largest city of the Lower Silesia, it is its administrative, economic and cultural capital. The history of the city is over a thousand years old, and the heritage of the past combines with the modernity of the business centre.

Multicultural, open to new ideas and challenges, the city is famous for its hospitality, and its cultural and scientific life fascinates and attracts. The unusual history of Wrocław, constantly enriched by prestigious scientific and cultural events guarantee that everyone who comes here will certainly see and experience something interesting, regardless of whether they spend several hours or several days here.



About the University of Technology



The mission of our University is to shape the creative and critical personalities of students and define the directions of development in science and technology. The education offered at our institution is strongly linked with scientific research and the needs of economy and is consistent with standards of the European Higher Education Area. The degrees awarded by Wrocław University of Technology are a symbol of high quality of education, confirmed by the National Accreditation Committee and the Accreditation Committee of Universities of Technology.

Today, it belongs to the best technical universities in Poland ó over 34 000 students study here under the guidance of 2 000 academic teachers, at the 12 faculties, as well as in the 3 regional branches (Jelenia Gora, Legnica, Waóbrzych). It rates high in the annual rankings of Polish universities.

In this way, owing to the Wrocław University of Technology, Wrocław appears as the capital of Polish computer science. The high level of research carried out, matching the world's best, and the well-equipped laboratories result in a wide co-operation with Polish and international companies.



Location of the Congress

Wrocław University of Technology

ul. Janiszewskiego 8, 50-372 Wrocław

(building D-20)



www.konferencje.pwr.edu.pl