

**Union of Electronics, Electrical Engineering and Telecommunications (CEEC)**

**Federation of the Scientific-Technical Unions in Bulgaria (FNTS)**

**Ministry of Transport and Communications**

**Communications Regulation Commission**

**Union of Scientists in Bulgaria**

**Technical University of Sofia - Faculty of Telecommunications**

**New Bulgarian University – Department of Telecommunications**

**South-West University "Neofit Rilski" - Technical Faculty**

**IEEE Bulgarian Section**

**33rd NATIONAL CONFERENCE  
WITH INTERNATIONAL PARTICIPATION**

# **TELECOM 2025**

**THE WAYS TO CONNECT THE FUTURE**



## **P R O G R A M M E**

**20 - 21 November 2025**

***National Science and Technical Centre,  
108 Rakovsky St. – Sofia & Virtual room***

# TELECOM 2025

is technically co-sponsored by IEEE:

**2025 33rd National Conference with  
International Participation - #66943**

**General partners:**



**A1 Bulgaria EAD**



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**The conference is organized**

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## Telecom 2025 Sessions Timetable

<b>Date</b>	<b>Time</b>	<b>Sessions</b>
Thursday 20.11.2025	<b>10.00 – 12.00</b>	<p style="text-align: center;"><b>Conference Opening, Greetings</b></p> <p><b>Plenary Session 1, Hall 1 &amp; <a href="#">Virtual Room 2</a></b> Meeting ID: 629 615 7598, Passcode: WZJF1P</p> <p style="text-align: center;">Chairmen: Assoc. Prof. Plamen Vachkov, PhD Prof. Seferin Mirtchev, DSc</p> <p style="text-align: center;"><b>Presentations: 1. CRC, 2. ATI, 3. Huawei Technologies, 4. Helen Karatza - Invited Talk 5. Ivan Ganchev - Invited paper 6. Kamen Rangelov</b></p>
	<b>12.30 - 14.00</b>	<p><b>Section Session 1, Hall 1 &amp; <a href="#">Virtual Room 2</a></b> Meeting ID: 629 615 7598, Passcode: WZJF1P</p> <p style="text-align: center;"><b>INTERNET OF THINGS (IoT). SMART HOME AND CITIES. EHEALTH. BETTER LIVING WITH ICT.</b></p> <p style="text-align: center;">Chairman: Assoc. Prof. Georgy Petrov, PhD</p> <p style="text-align: center;"><b>Presentations: Papers 1.1, 1.2, 1.3., 1.4, 1.5, 1.6, 1.7, 1.8, 1.9</b></p>
	<b>14.15 – 15.45</b>	<p><b>Section Session 2, Hall 507 &amp; <a href="#">Virtual Room 2</a></b> Meeting ID: 629 615 7598, Passcode: WZJF1P</p> <p style="text-align: center;"><b>TELECOMMUNICATIONS NETWORKS AND SERVICES. WIRELESS SYSTEMS. NETWORK SECURITY.</b></p> <p style="text-align: center;">Chairman: Eng. Stefan Patchedjiev, PhD</p> <p style="text-align: center;"><b>Presentations: Papers 2.1, 2.2, 2.3, 2.4, 2.5, 2.6, 2.7, 2.8, 2.9, 2.10</b></p>
	<b>16.00 – 17.30</b>	<p><b>Section Session 3, Hall 507 &amp; <a href="#">Virtual Room 2</a></b> Meeting ID: 629 615 7598, Passcode: WZJF1P</p> <p style="text-align: center;"><b>ARTIFICIAL INTELLIGENCE IN ICT. EDUCATION METHODOLOGIES IN ICT.</b></p> <p style="text-align: center;">Chairman: Prof. Seferin Mirtchev, DSc</p> <p style="text-align: center;"><b>Presentations: Papers 3.1, 3.2, 3.3., 3.4, 3.5, 3.6, 3.7, 3.8, 3.9</b></p>
	<b>18.00 – 19.00</b>	<p><b>Poster Session 4, Hall 1 &amp; <a href="#">Virtual Room 2</a></b> Meeting ID: 629 615 7598, Passcode: WZJF1P</p> <p style="text-align: center;"><b>RESEARCH/EDUCATION METHODOLOGIES IN ICT</b></p> <p style="text-align: center;">Chairmen: Eng. Stefan Patchedjiev, PhD</p> <p style="text-align: center;"><b>Posters: Papers 4.1, 4.2, 4.3, 4.4, 4.5, 4.6, 4.7, 4.8, 4.9, 4.10, 4.11</b></p>

<i>Date</i>	<i>Time</i>	<i>Sessions</i>
<b>Friday 21.11.2025</b>	<b>08.00 – 09.30</b>	<p><b>Section Session 5, Hall 1 &amp; <u>Virtual Room 3</u></b> Meeting ID: 629 615 7598, Passcode: WZJF1P</p> <p><b>TELECOMMUNICATIONS NETWORKS AND SERVICES. BETTER LIVING WITH ICT.</b></p> <p>Chairman: Assoc. Prof. Rositsa Goleva, PhD</p> <p><b>Presentations:</b> Papers 5.1, 5.2, 5.3,.5.4, 5.5, 5.6, 5.7, 5.8, 5.9</p>
	<b>09.45 – 11.15</b>	<p><b>Section Session 6, Hall 1 &amp;<u>Virtual Room 3</u></b> Meeting ID: 629 615 7598, Passcode: WZJF1P</p> <p><b>NETWORK SECURITY. ARTIFICIAL INTELLIGENCE. RESEARCH/EDUCATION METHODOLOGIES IN ICT.</b></p> <p>Chairman: Assoc. Prof. Kiril KASSEV, PhD Assoc. Prof. Boncho BONEV, PhD</p> <p><b>Presentations:</b> Papers 6.1, 6.2, 6.3,.6.4, 6.5, 6.6, 6.7, 6.8, 6.9, 6.10</p>
	<b>11.30 – 13.00</b>	<p><b>Section Session 7, Hall 1 &amp; <u>Virtual Room 3</u></b> Meeting ID: 629 615 7598, Passcode: WZJF1P</p> <p><b>TELECOMMUNICATIONS THEORY. SIGNALS AND SYSTEMS. IMAGE PROCESSING AND CODING.</b></p> <p>Chairman: Assoc. Prof. Kamelia Nikolova, PhD</p> <p><b>Presentations:</b> Papers 7.1, 7.2, 7.3,.7.4, 7.5, 7.6, 7.7, 7.8, 7.9</p>
	<b>13.45 – 15.00</b>	<p><b>Posters Session 8 Hall 3 &amp; <u>Virtual Room 3</u></b> Meeting ID: 629 615 7598, Passcode: WZJF1P</p> <p><b>TELECOMMUNICATIONS THEORY. INTERNET OF THINGS (IoT)</b></p> <p>Chairman: Assoc. Prof. Dimitar ARNAUDOV, PhD</p> <p><b>Posters:</b> Papers 8.1, 8.2, 8.3,.8.4, 8.5, 8.6, 8.7, 8.8, 8.9, 8.10, 8.11, 8.12</p>
	<b>15.15 – 15.30</b>	<p><b>Education in Electronics and Business Needs. Discussion with leading Companies in Electronics.</b></p> <p><b>Hall 3 &amp; <u>Virtual room 3</u></b> Meeting ID: 629 615 7598, Passcode: WZJF1P</p>
	<b>16.00 – 17.30</b>	<p><b>Celebration of the Anniversary 60 Years of CEEC</b></p> <p><b>Hall 3 &amp; <u>Virtual Room 3</u></b> Meeting ID: 629 615 7598, Passcode: WZJF1P</p>
	<b>17.30 – 20.00</b>	<b>Informal Meeting Forum - Cocktail – Hall 1</b>

## CONFERENCE PROGRAMME

**Thursday,  
20.11.2025 г.** **NATIONAL SCIENCE AND TECHNICAL CENTRE**  
**Hall 1 & Virtual Room 2** Meeting ID: 836 4436 7937, Passcode: WZJF1P

**10.00 – 12.00  
20.11.2025 г.** **Conference Opening, Greetings**  
**Plenary Session 1, Hall 1 & Virtual Room 2**  
Meeting ID: 836 4436 7937, Passcode: WZJF1P  
**Conference Opening, Greetings**  
Chairmen: Assoc. Prof. Plamen Vachkov, PhD  
Prof. Seferin Mirtchev, DSc

- 1. “Radio spectrum for 5G and 6G networks and satellite connectivity”** - Presentation  
Daniela Aleksieva - Head of the Regulation and Coordination Department, Scarce Resource Management Directorate  
*Communications Regulation Commission*
- 2. “The Telecommunications Sector in Bulgaria - Economic Analysis and Consumer Attitudes”** - Presentation  
Andreana Atanasova - Chairperson of the Managing Board  
*Alliance of the Technology Industry (ATI)*
- 3. “Huawei Technologies”**  
Ivan Ivanov - Manager,  
*Huawei Technologies Bulgaria Ltd*
- 4. “Cloud, Fog and Mist Computing Collaboration for Scheduling Time - Critical Applications: State of the Art and Research Challenges”** - Invited Talk  
Helen Karatza - Professor Emeritus, Department of Informatics  
*Aristotle University of Thessaloniki, Greece*
- 5. “UAVs as an Interim Communication Solution in Cases of Emergency”** - Invited Paper  
Ivan Ganchev – Professor, *University of Plovdiv “Paisii Hilendarski”, Plovdiv; Institute of Mathematics and Informatics – Bulgarian Academy of Sciences, Sofia; Telecommunications Research Centre (TRC), University of Limerick, Limerick*
- 6. “Notes on Telecommunications – 2025”** - Presentation  
Kamen Rangelov – CEEC

**12.30 – 14.00  
20.11.2025 г.** **Section Session 1, Hall 1 & Virtual Room 2**  
Meeting ID: 836 4436 7937, Passcode: WZJF1P  
**IINTERNET OF THINGS (IOT). SMART HOME AND CITIES.  
EHEALTH. BETTER LIVING WITH ICT.**  
Chairman: Assoc. Prof. Georgy Petrov, PhD

- 1.1. CORDIC and LUT-Based Acceleration of Special Mathematical Functions in Edge and IoT Systems**  
Georgi PETROV
- 1.2. Improving LoRa Interference Immunity through Modulation Parameter Adaptation**  
Yurii Karaush, Mykola Patlaienko
- 1.3. Analysis of the Phase Stability of the LoRa Signal when Optimising its Parameters for Reliable Transmission in Conditions of Increased Interference**  
Yurii Karaush, Mykola Patlaienko

**1.4. Internet of Things Applications for Smart Homes, Smart Cities, and eHealth: Toward Integrated Digital Infrastructures**  
Hristo Grigorov

**1.5. Software Architecture Patterns for Real-Time Digital Twin–IoT in Smart Campus Management: A Comparative Study**  
Erilda Muka, Genta Rexha, Galia Marinova

**1.6. Modern Strategies for Failure Analysis and Machinery Predictive Maintenance**  
Yassen Gorbounov

**1.7. Electrochemical Impedance Analyzer Based on AD5933**  
Krasimir Kostadinov, Yassen Gorbounov

**1.8. Integration of MXChip AZ3166 with Home Assistant – IoT Real-time Monitoring and Management System**  
Serghei Staicov, Snezha Shotarova, Slavi Lyubomirov

**1.9. Secure Elements for Embedded Devices and Their Applications**  
Stoyan Bogdanov

**Section Session 2, Hall 507 & Virtual Room 2**

**14.15 – 15.45**  
**20.11.2025 г.**

Meeting ID: 836 4436 7937, Passcode: WZJF1P  
**TELECOMMUNICATIONS NETWORKS AND SERVICES.**  
**WIRELESS SYSTEMS. NETWORK SECURITY.**  
Chairman: Eng. Stefan Patchedjiev, PhD

**2.1. Development of a Network Traffic Monitoring System**  
Aleksandar Hristov, Ivan Garnizov, Radoslav Yoshinov

**2.2. A Comparative Analysis of IP and Non-IP-Based Network Architectures: Technical Characteristics, Advantages, Limitations, and Prospects**  
Pavel Dzhunev

**2.3. Optimization of Write Operations in SAN Environments through Intelligent Compression, Deduplication and Thin Provisioning**  
Genka Slavova-Torres

**2.4. MEPI Client Application for Wireless Distribution of Information**  
Lazar Pendov, Ivan Ganchev

**2.5. Universal Interpersonal Communication Application – Audio and Video Conversations**  
Lazar Pendov

**2.6. Nonlinear Relationships Analysis of QoS Metrics under Dynamic Network Conditions**  
Vladimir Vichev

**2.7. Penetration Tests on Web Applications Using SQL Injection Attacks**  
Ivan Ivanov, Todor Grigorov, Semona Kovacheva

**2.8. The Role of Ethical Hacking in Healthcare Institutions**  
Martin Voynov, Ivan Ivanov, Maya Atanasova

**2.9. The Prospects of the Political and Financial System Caused by Innovations in Technology**  
Radoslav Kardziev

**2.10. Optical hotel communication system with passive nodes**  
Boyko Harlov

**Section Session 3, Hall 507 & Virtual Room 2**

**16.00 – 17.30**  
**20.11.2025 г.**

Meeting ID: 836 4436 7937, Passcode: WZJF1P  
**ARTIFICIAL INTELLIGENCE IN ICT. EDUCATION**  
**METHODOLOGIES IN ICT.**  
Chairmen: Prof. Seferin Mirtchev, DSc

**3.1. Adaptive Image Segmentation via Valley-Based Centroid and Contrast-Driven Stopping (Fast CPU-GPU Implementation)**  
Georgi Petrov

### **3.2. Integral Metrics of HDR Image Quality**

Mykola Patlaienko, Olena Osharovska, Andrii Doroshuk, Valentina Solodka, Ivan Tomashevskyi, Oleksandr Hohniak

### **3.3. A Comparative Study of Trigate FinFET 14 nm with Different Fin Materials for CMOS Circuits**

Lazzaz Abdelaziz, Bousbahi Khaled, Beladam Fatiha

### **3.4. Approaches to Radio-Frequency Regulations for Unmanned Aircraft Systems**

Yoana Ivanova, Rosen Pasarelski, Teodora Pasarelska, Krasen Angelov

### **3.5. Synaptic Weights Clustering in Feedforward Neural Networks**

Aleksandar Ivanov

### **3.6. Python Toolkit for Non-Integer Calculus**

Aleksandar Ivanov

### **3.7. Predicting User Behaviour Using Classification Models in BigQuery Machine Learning**

Iviana Hristova

### **3.8. On Verification of Satellite SAR Oil Spills Imagery Using Ground-based Sensors**

Chavdar Alexandrov, Miroslav Tsvetkov, Avgustin Hristov

### **3.9. Sybil Detection in V2X: From on-Vehicle Features to RSU Graph Reasoning**

Ivan Ivanov, Ventsislav Nikolov

### **Poster Session 4, Hall 1 & Virtual Room 2**

**18.00 – 19.00** Meeting ID: 836 4436 7937, Passcode: WZJF1P

**20.11.2025 г.** **TRESEARCH/EDUCATION METHODOLOGIES IN ICT**

Chairmen: Chairman: Eng. Stefan Patchedjiev, PhD

### **4.1. AI in Computer-Aid Design of Components and Assemblies in Mechanical Engineering Education**

Anton A. Bashev, Stanislav Asenov

### **4.2. Methodology for an ARM-Based k3s Cluster with Integrated AI for HTTPS Traffic Analysis and Filtering**

Boyko Karkov, Dimitar Milchev, Petko Stoev

### **4.3. Evaluating the position accuracy of Sentinel's Interferometric Wide Swath Synthetic Aperture Radar Images in SNAP**

Avgustin Hristov

### **4.4. Application of AI in the education of ICT students: advantages and disadvantages**

Marinela Petrova

### **4.5. Cloud Telephony as a Driver of Digital Transformation in Corporate Telecommunications: An Empirical Study**

Anna Bekyarova Tokmakova

### **4.6. The Impact of Engagement Strategies on the Effectiveness of Loyalty Programs in Telecommunications**

Megi Dakova, Djesika Ivanova, Anna Bekyarova Tokmakova

### **4.7. A Novel Algorithm for Industrial Network Reliability Estimation and AI-Based System Optimization**

Daniel Denev, Silvia Nikolova

### **4.8. Research on Design, Security and Vulnerability Analysis in WEB3 Applications**

Stanimir Sadinov, Krasen Angelov, Rosen Pasarelski, Yoana Ivanova

### **4.9. Evaluation of the Strategic Role of Telecommunications in Human Resource Management within Industry 5.0**

Siyka Demirova, Sibel Ahmedova, Mihail Ivanov, Zhulieta Mihaylova, Dzemal Ali, Yordan Yankov, Miglena Pavlova, Desislava Atanasova, Victoriya Miteva

### **4.10. Machine Learning in Telecommunications: Literature Review by Field of Application**

Marija Konjević

**4.11. Internet of Things and Process Automation in Bulgarian Information and Communication Technology Sector**

Pancho Tomov, Dimitar Damyanov, Siyka Demirova, Sibel Ahmedova

**Friday,  
21.11.2025 г.**

**NATIONAL SCIENCE AND TECHNICAL CENTRE  
Hall 1 & Virtual Room 3** Meeting ID: 629 615 7598, Passcode: WZJF1P

**08.00 – 09.30  
21.11.2025 г.**

**Section Session 5, Hall 1 & Virtual Room 3**  
Meeting ID: 629 615 7598, Passcode: WZJF1P  
**TELECOMMUNICATIONS NETWORKS AND SERVICES.  
BETTER LIVING WITH ICT.**

Chairman: Assoc. Prof. Rositsa Goleva, PhD

**5.1. Network Monitoring & Observability in Data Center Networks: Comparing the TIG and ELK Stacks**

Spas Georgiev, Kamelia Nikolova, Monika Velkova, Viktoria Dimitrova

**5.2. Kubernetes Monitoring Stack on Raspberry Pi Cluster**

Milen Hrabarov Todorov

**5.3. Optimizing Asynchronous Event Dispatch in Modern C++ Publish/Subscribe Systems**  
Alex I. Tsvetanov

**5.4. Development of a Smart Parking Clamp System**

Aleksandar Hristov

**5.5. Overview of Current Solutions for Ambient Air Monitoring**

Veselin Stanchev, Atanas Kostadinov

**5.6. Adaptive ESP-NOW Relay Switching Using RSSI-Based Beacon Monitoring**

Ivan Bozhilov, Milen Todorov, Boyanka Nikolova

**5.7. Comparing Different Algorithms when Predicting Loan Defaults**

Evgeni Evgeniev Dulgerov

**5.8. A Study on the Impact of Artificial Intelligence on the Efficiency of the Manufacturing System**

Anas Mohammed, Nataliya Koleva, Borislav Nikolov

**5.9. Development of a Web Application for Sharing and Geo-Positioning of Video Clips**

Angel Chekichev, Ahmed Karaibrahimov, Hristo Kanevski, Stefan Sadkov, Serghei Staicov

**5.10. Towards Quantum-Resilient Private Networking: A Public-Key Encapsulation**

Framework for Encrypted Tunnels

Rumen Doynov, Maria Nenova, Grigor Sotirov

**Section Session 6, Hall 1 & Virtual Room 3**

Meeting ID: 629 615 7598, Passcode: WZJF1P

**09.45 – 11.15  
21.11.2025 г.**

**NETWORK SECURITY. ARTIFICIAL INTELLIGENCE.  
RESEARCH/EDUCATION METHODOLOGIES IN ICT.**

Chairman: Assoc. Prof. Kiril KASSEV, PhD

Assoc. Prof. Boncho BONEV, PhD

**6.1. Security Vulnerabilities of Smart Home: A Case Study of Smart Camera**

Ivo Gergov, Georgi Tsochev, Maria Nenova

**6.2. Design of Network Infrastructure for Training Students in Cybersecurity**

Nikolay Manchev, Krasen Angelov, Hristina Stoycheva, Anatoliy Aleksandrov

**6.3. Securing the Edge: A Comparative Analysis of Microsoft Defender for IoT and Nozomi Guardian**

Viktoria Dimitrova, Marian Hristov, Kamelia Nikolova, Maria Nenova

**6.4. Beyond Perimeter Defense: Technical Approaches to Third-Party Breach Prevention**

Monika Velkova, Kamelia Nikolova, Maria Nenova

**6.5. Teaching Introductory Programming through a Suggestopedia Approach**  
Ralitsa Raynova

**6.6. Testing Vehicle Traction and Braking Control Systems Using GPS Data Logger**  
Nikolay Pavlov, Lyubomir Vasilev, Diana Dacova

**6.7. Gamification and Machine Learning Approaches for Scaling up Working Professionals in ITIL Service Delivery**  
Anton Genchev

**6.8. Data-Driven Process Drift Detection in ICT Testing Using EWMA and CUSUM Methods**  
Stoyan Daskalov, Stanislav Asenov

**6.9. Measurement of the Vehicle Pollution during Fuel Remap Process on a Gasoline Engine**  
Ilian Damyanov, Rosen Miletiev, Hristo Konakchiev

**6.10. Development and Implementation of a 2D Vision-Guided Robotic System for Industrial Inspection and Manipulation**  
Vladimir Hristov, Dimitar Pepedzhiev

**Section Session 7, Hall 1 & Virtual Room 3**

**11.30 – 13.00**  
**21.11.2025 г.**

Meeting ID: 629 615 7598, Passcode: WZJF1P  
**TELECOMMUNICATIONS THEORY. SIGNALS AND SYSTEMS.**  
**IMAGE PROCESSING AND CODING.**  
Chairmen: Assoc. Prof. Kamelia Nikolova, PhD

**7.1. Generative Markov Chain Model Development for Guitar Melodies Creation**  
Snezhana G. Pleshkova, Konstantin Kostov

**7.2. Neural Network–Driven Markov Chain Model Development for Adaptive Digital Audio Effects**  
Konstantin Kostov, Snezhana G. Pleshkova

**7.3. Comparison of Different Fusion Techniques on MRI and PSMA Images of the Prostate Gland**  
Diana Tsvetkova, Veska Georgieva

**7.4. Log-periodic Antenna Modelling for Solar Radio Interferometric Observations**  
Pavlina Aleksieva, Peter Z. Petkov

**7.5. Task Execution and Dynamic Re-Planning with a Mobile Robot and Manipulator: A Real-Robot Study Using RDK X3 and myCobot 320 – Part 1**  
Danail Slavov, Anastasiya Slavova

**7.6. Task Execution and Dynamic Re-Planning with a Mobile Robot and Manipulator: A Real-Robot Study Using RDK X3 and myCobot 320 – Part 2**  
Danail Slavov, Anastasiya Slavova

**7.7. Performance and Economic Analysis of an Automated Assembly Line with Collaborative Robots**  
Kamen Hristov, Daniel Dinkov

**7.8. Integration of a Collaborative Robot with PLC and HMI for an Automated Street Lamp Assembly Line**  
Kamen Hristov, Daniel Dinkov

**7.9. A Wireless Embedded ECG Monitoring System with Neural Network-Based Data Compression**  
Yuliyan Velchev

**13.45 – 15.00**      **Poster Session 8, Hall 3 & Virtual Room 3**

**21.11.2025 г.**

Meeting ID: 629 615 7598, Passcode: WZJF1P  
**TELECOMMUNICATIONS THEORY. INTERNET OF THINGS (IoT).**  
Chairmen: Assoc. Prof. Dimitar Arnaudov, PhD

**8.1. Design and Error Modeling of an Infrared Thermographic Experiment for Monitoring the Throwing Arm in Female Handball Players**

Kalin Dimitrov, Dimitar Asenov

**8.2. A ROS and MATLAB/Simulink Framework for Modeling and Control of a Robotic Manipulator**

Vladimir Hristov, Amtonia De Amorim

**8.3. Development of a Remote Control Interface for a Mobile Robot using ROS and LabVIEW**

Vladimir Hristov, Amtonia De Amorim

**8.4. Grid PV Inverters Operation with Frequency Deviations**

Dimitar Serafimov

**8.5. Remote Monitoring and Control of Environmental Factors in Smart Agriculture**

Ivo Dochev, Marin Dochev, Lilyana Docheva, Stoycho Manev

**8.6. An approach to Detecting Sources, Distributors, and Re-transmitters in Social Networks**

Petar Marinov, Nadejda Angelova

**8.7. A Multi-Sensor Platform for Tire Temperature Distribution and Driving Characteristics**

Lyubomir Laskov, Kalin Dimitrov, Iliyan Damyanov

**8.8. Evolution of Automated Drip Irrigation Systems: From Manual Control to AI-Enabled Solutions**

Petar Raykov, Ivo Dochev, Marin Dochev

**8.9. Sensitivity Characterization of Zeta DC-DC Converter to Coupling Capacitance Deviations**

Plamen Stanchev, Nikolay Hinov, Zoran Zlatev

**8.10. Integrating Data Center Infrastructure into Smart Grid Energy Management Systems**

Plamen Stanchev, Nikolay Hinov, Zoran Zlatev

**8.11. Dynamic Model of the Influence of Information Flows on the Audience**

Daniela Gancheva

**8.12. Digital Modernization of a Wire Straightening and Cutting Machine in Compliance with Industry 4.0 Principles**

Ivan Kirilov Stoyanov, Docho Tsankov Tsankov

**15.15 – 15.30**

**21.11.2025 г.**

**Education in Electronics and Business Needs.**  
**Discussion with leading Companies in Electronics.**  
**Hall 3 & Virtual room 3 Meeting ID: 629 615 7598, Passcode: WZJF1P**

**16.00 – 17.30**

**21.11.2025 г.**

**Celebration of the Anniversary**  
**60 Years of CEEC**  
**Hall 3 & Virtual room 3 Meeting ID: 629 615 7598, Passcode: WZJF1P**

**17.30 – 20.00**

**21.11.2025 г.**

**Informal Meeting Forum - Cocktail – Hall 1**

## Information for the participants and guests of Telecom 2025

Until 19 November 2025 detailed information on issues of the Conference can be obtained at the National House of Science and Technology in Sofia, 108 Rakovski St., V Floor, Room 506 or by phone: 02 987-97-67.

Email of the conference: [telecom.ceec@gmail.com](mailto:telecom.ceec@gmail.com)

Website of the conference: <http://e-university.tu-sofia.bg/e-conf/?konf=177>

Registration fee: Participants with/without a paper - Euro 200, Students - Euro 100, IEEE and CEEC Members Discount - 15 %. The fee should be preferably paid before November 18, 2025 through a bank transfer on the account of:

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CEEC, TELECOM 2025, participant's name

Participants are kindly requested to send a Payment Order copy with details of payment to the Organizing Committee, or present it upon registration.

The Registration Fee can be paid in cash at the Office of CEEC: 108, Rakovsky Str., Sofia 1000.

By way of exception, the Registration Fee may be paid upon arrival at the Conference site in cash (Euro 220).

The Registration Fee includes admission to all Conference events, a set of Conference materials (program, abstracts etc.).

The Organizing Committee will award a young author (up to 35 years old) for the best individually presented paper with substantial scientific research contribution.

