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24-rd NATIONAL CONFERENCE WITH INTERNATIONAL PARTICIPATION

TELECOM 2016

WE ARE CONNECTED!



PROGRAMME

27 - 28 October 2016 National Science and Technical Centre, 108 Rakovsky St. – Sofia

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The conference is organized with contribution from:
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TELECOM 2016 SESSIONS TIMETABLE

Date	Time	Sessions
		Plenary Session 1, hall 3
		Conference Opening
	10.00 – 12.00	Chairman: Assoc. Prof. Plamen Vachkov, PhD
		Greetings
		Papers: 1. MTITC, 2. MTel, 3. Balkantel 4. Kamen Rangelov
		Plenary Session 2, hall 3
	13.00 - 14.45	Chairman: Assoc. Prof. Seferin Mirtchev, PhD
		Papers: 5. BCCI, 6. Elena Sjoykova, 7. Kiril Konov, 7. Apostol Apostolov
		Section Session 1, hall 3
0.2016	15.00 – 16.00	TELECOMMUNICATIONS AND INFORMATION TECHNOLOGIES
Thursday 27.10.2016		Chairman: Assoc. Prof. Kamen Rangelov, PhD
		Papers: 1.1, 1.2, 1.3, 1.4
Th		Section Session 2, hall 3
	16.15 – 17.15	NGN. NETWORKS OF THE FUTURE. SOFTWARE DEFINED NETWORKS. ASPECTS OF POSTAL SERVICES
		Chairman: Assoc. Prof. Alexander Nenkov, PhD
		Papers: 2.1, 2.2, 2.3, 2.4
		Plenary Session 3, hall 3
		"Round Table" Discussion
	17.30 - 18.30	5G – MOBILE COMMUNICATION OF NEXT GENERATION.
		IoT – INTERNET OF THINGS.
		THE "PRAVETS" TRADEMARK - RESURRECTION
		Chairmen: Prof. Kamen Rangelov, PhD, Prof. Plamen Vachkov, PhD
	19.00 – 20.30	Cocktail – Hall 2

Date	Time	Sessions
Friday 28.10.2016		Section Session 3, hall 3
	08.30 - 09.00	INTERNET OF THINGS AND INTERNET OF PEOPLE
		Chairman: Assoc. Prof. Seferin Mirtchev, PhD
		Papers: 3.1, 3.2
		Section Session 4, hall 3
	09.00 - 09.30	WIRELESS COMMUNICATIONS, SHARING OF RADIO SPECTRUM. DIGITAL SWITCHOVER.
		Chairman: Prof. Luben Tonev, PhD
		Papers: 4.1, 4.2
		Section Session 5, hall 3
	09.45 – 10.45	TELECOMMUNICATION NETWORKS AND TELETRAFFIC – POLITICS. PLANNING AND MANAGEMENT
		Chairman: Assoc. Prof. Dimitar Arnaudov, PhD
		Papers: 5.1, 5.2, 5.3, 5.4
		Section Session 6, hall 3
	11.00 - 11.45	COMMUNICATION CIRCUITS, SIGNALS AND SYSTEMS
		Chairman: Prof. Boris Yovchev, PhD
		Papers: 6.1, 6.2, 6.3
		Section Session 7, hall 3
	12.00 - 12.30	EDUCATION IN THE FIELD OF TELECOMMUNICATION
		Chairman: Assoc. Prof. Krastu Mirski, PhD
		Papers: 7.1, 7.2

Date	Time	Sessions
Friday 28.10.2016		Section Session 8, hall 3
	12.30 - 12.40	OVERVIEW PAPERS (IN SUPPORT OF PRACTICAL APPLICATIONS)
		Chairman: Assoc. Prof. Kamen Rangelov, PhD
		Papers: 8.1
	12.45	Closing of the Conference, hall 3
		Assoc. Prof. Plamen Vachkov, PhD

CONFERENCE PROGRAMME

THURSDAY, 15.10.2016 r. NATIONAL SCIENCE AND TECHNICAL CENTRE

09.00 - 12.00 Registration

10.00 – 12.00 Plenary Session 1, hall 3

Conference Opening, Greetings

Chairman: Assoc. Prof. Plamen Vachkov, PhD

1. 26TH CONGRESS OF THE UNIVERSAL POSTAL UNION - RECENT DEVELOPMENTS IN THE POSTAL SECTOR

Iliana Karafezieva - Expert "Development of postal services", Directorate of "Communications" MTITC

- 2. 3G HIGH SPEED PACKET ACCESS EVOLUTION: DUAL BAND DUAL CARRIER Mihail Mihailov Mobiltel EAD
- 3. INDUSTRIAL STRATEGY BASED ON THE FOURTH DIGITAL REVOLUTION WITH THE PRIORITY NO INFORMATION AND COMMUNICATION TECHNOLOGY (ICT) Nikola Dourtchev Balkantel
- 4. NOTES ON TELECOMMUNICATIONS 2016 Kamen Rangelov – CEEC

12.00 – 13.00 **Lunch Break**

13.00 – 14.45 Plenary Session 2, hall 3

Chairman: Assoc. Prof. Seferin Mirtchev, PhD

- 5. ELECTRONIC RECORDS OF BULGARIAN CHAMBER OF COMMERCE AND INDUSTRY Ivanka Ivanova Head of Computer and Information Systems, BCCI
- 6. EDUCATION IN THE SMART CITY Elena Shoikova, R. Nikolov, M. Krumova E. Kovacheva, V. Dimitrov, A. Shikalanov - UNIBIT
- 7. STATUS AND TRENDS IN THE DIGITAL BROADCASTING Kiril Konov CEEC
- 8. STAGES IN THE DEVELOPMENT AND THE PRODUCTION OF THE TELEVISION RECEIVERS IN BULGARIA Apostol Apostolov CEEC

15.00 – 16.00 Section Session 1, hall 3

TELECOMMUNICATIONS AND INFORMATION TECHNOLOGIES

Chairman: Assoc. Prof. Kamen Rangelov, PhD

1.1. SCP-RPSC - THE KEY TECHNOLOGY IN THE NEXT GENERATION STEERABLE LINES FOR SATELLITE COMMUNICATIONS

Veselin Demirev – TU-Sofia

- 1.2. CHALLENGES FOR PROVIDING SECURITY IN INTERNET OF THINGS

 Tsvetomir P. Gyuretsov, Plamen Z. Zahariev, Georgi V. Hristov University of Ruse "Angel Kanchev"
- 1.3. ON THE POSSIBILITY OF IMPROVING THE CHARACTERISTICS OF PROTOCOLS FOR TELEMETRY DATA TRANSMISSION FROM UNMANNED AERIAL VEHICLE Svilen Borisov, Jordan Raychev, Georgi Hristov, Plamen Zahariev—University of Ruse "Angel Kanchev"
- 1.4. COMPARATIVE ANALYSIS OF TECHNOLOGIES FOR 3D OBJECTS REPLICATION Ivanka D. Tsvetkova, Plamen Z. Zahariev—University of Ruse "Angel Kanchev"

15.15 – 15.30 **Break**

16.00 – 16.15 Section Session 2, hall 3

NGN. NETWORKS OF THE FUTURE. SOFTWARE DEFINED NETWORKS. ASPECTS OF POSTAL SERVICES

Chairman: Assoc. Prof. Alexander Nenkov, PhD

- 2.1. IMPROVING THE VOICE TRAFFIC IN WLAN NETWORK Vladimir Dimitrov Technical University of Sofia
- 2.2. SERVICE MODELS OF CLOUD SOFTWARE-DEFINED RADIO
 Ivan Penchev Ivanov Directorate, Defence Institute "Prof. Tsvetan Lazarov"
- 2.3. PLATFORM FOR EVALUATION AND ANALYSIS OF CONTROL PLANE PERFORMANCE IN SOFTWARE-DEFINED NETWORKS Diyana Kyuchukova, Georgi Hristov University of Ruse "Angel Kanchev"
- 2.4. PAYMENT OF PENSIONS BY "BULGARIAN POSTS" PLC MONOPOLY OR OBLIGATION ?

Zdravko Mihaylov

Headquarters of "Bulgarian Posts" PLC

17.20 - 17.30 Break

17.30 – 18.30 Plenary Session 3, hall 3

"Round Table" Discussion

5G - MOBILE COMMUNICATION OF NEXT GENERATION

IoT - INTERNET OF THINGS,

THE "PRAVETS" TRADEMARK - RESURRECTION

Chairmen: Assoc. Prof. Kamen Rangelov, PhD, Prof. Ivan Kurtev, PhD

17.00 – 20.00 Cocktail – Hall 2

Friday, 28.10.2016 NATIONAL SCIENCE AND TECHNICAL CENTRE

08.30 – 09.30 Section Session 3, hall 3

INTERNET OF THINGS AND INTERNET OF PEOPLE

Chairman: Assoc. Prof. Seferin Mirtchev, PhD

3.1. CHALLENGES FACED BY THE AUTONOMOUS MANAGEMENT IN FUTURE INTERNET

Anastas Nikolov - Technical University Of Sofia

3.2. TELECOMMUNICATION SYSTEM FOR GREEN ECONOMYC – A SURVEY Zdravka Tchobanova, Galia Marinova – Technical University-Sofia

09.00 – 09.30 Section Session 4, hall 3

WIRELESS COMMUNICATIONS. SHARING OF RADIO SPECTRUM.

DIGITAL SWITCHOVER

Chairman: Prof. Luben Toney, PhD

- 4.1. MEASUREMENT OF THE REFERENCE SIGNAL IN 4G LTE NETWORK IN SOFIA Philip Atanasov, Zhivko Kissovski, Sofia University
- 4.2. COMPARATIVE ANALYSIS OF TECHNOLOGIES TO CONSTRUCT VEHICLES AD-HOC NETWORKS

Tsvetan Marinov Marinov – Technical University of Sofia

09.45 – 10.45 Section Session 5, hall 3

TELECOMMUNICATION NETWORKS AND TELETRAFFIC - POLITICS.

PLANNING AND MANAGEMENT

Chairman: Assoc. Prof. Dimitar Arnaudov, PhD

- 5.1. BEYOND ALGEBRAIC CONNECTIVITY OF GRAPHS EVALUATION OF TOPOLOGY, BASED ON SPECTRAL CLUSTERING Mircho Jordanov Mirchev – Technical University of Sofia
- 5.2. QUALITY OF SERVICE EVALUATION IN IP NETWORKS WITH PEAKED ARRIVAL AND DEPARTURE PROCESSES
 Seferin T. Mirtchev Technical University of Sofia
- 5.3. TRAFFIC PERFORMANCE OF THE PRIORITY SERVICES OF THE IP TRAFFIC Dimitar Atamian, Seferin Mirtchev, Rossitza Goleva Technical University of Sofia
- 5.4. CLOUD SERVICES- TOOLS FOR MODELING AND SIMULATION
 Ivan Ivanov Nedyalkov, Georgi Petrov Georgiev University of Telecommunication and Post
- 11.45 11.45 Section Session 6, hall 3

COMMUNICATION CIRCUITS, SIGNALS AND SYSTEMS

Chairman: Prof. Boris Yovchev, PhD

6.1. APPLICATION OF NEW MATHEMATICAL FUNCTIONS FOR DIGITAL LINEAR-PHASE FILTERS DESIGN

Peter Stoyanov Apostolov, Alexey Kostadinov Stefanov – South-West University, "Neofit Rilski", Ivan Michailov

- 6.2. DISPLACEMENT CURRENT AND AMPERE'S LAW Ivan Stefanov Bozev, Radoslav Borislavov Borisov – Technical University of Sofia
- 6.3. MODULE FOR CONTACTLESS MEASURING OF SURFACE TEMPERATURE OF DISTRIBUTED OBJECTS IN TERMAL ZONE

 Kalin Lachezarov Dimitrov, Stanyo Veselinov Kolev Technical University of Sofia
- 12.00 12.30 Section Session 7, hall 3

EDUCATION IN THE FIELD OF TELECOMMUNICATION

Chairman: Assoc. Prof. Krastu Mirski, PhD

- 7.1. APPLICATION OF GNURADIO IN DIGITAL MODULATIONS CURRICULUM Georgi Petrov NBU
- 7.2. IMPLEMENTATION OF ICT IN TEACHING OF POWER SUPPLY DEVICES Nikolay Hinov, Tsveti Hranov, Dimitar Arnaudov Technical University Sofia
- 12.45 CLOSING OF THE CONFERENCE, hall 3.

Information

for the participants and guests of Telecom 2016

Until 27 October 2016 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 and 0887508262.

Email of the conference: telecom.ceec@gmail.com

Website of the conference: http://ceec.fnts.bg/telecom

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

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