

TELSIKS 2015 Conference Program

Day	Time	Room			
		A	B	104	C / D
Tuesday October 13	17 ⁰⁰	Registration			
	19 ⁰⁰				
Wednesday October 14	08 ⁰⁰	Registration			
	10 ⁰⁰	Opening (Main Lecture Hall A1)			
	10 ³⁰	Plenary Lecture			
	12 ⁰⁰	TELSIKS Welcome Cocktail Party			
	14 ⁰⁰	MCD	DSPM		
	16 ⁰⁰			IEEE S&M section	ECIT
	18 ⁰⁰			IEEE WIE	(poster)
	20 ⁰⁰	Reception of TPC members at the Mayor of Niš			
	22 ⁰⁰	Musical performance			
	Thursday October 15	09 ⁰⁰	Registration		
11 ⁰⁰		ME	TTS	PUKOS	
13 ⁰⁰		APR	DIACAS 2015		
15 ⁰⁰		Sightseeing tour			
17 ⁰⁰					
19 ⁰⁰					
21 ⁰⁰		Conference Dinner			
Friday October 16	10 ⁰⁰	Registration			
	12 ⁰⁰	WC	TNS		
	14 ⁰⁰	MTE	CIT		
	16 ⁰⁰				
	18 ⁰⁰				

Session Name		Session mark
Antennas, Propagation and Radiolocation		APR
Microwave Technique and Computational Electromagnetics		MTE
Microwave Electronics		ME
Digital Signal Processing and Multimedia		DSPM
Wireless Communications		WC
Telecommunication Networks and Services		TNS
Telecommunications Technologies and Systems		TTS
Modulations and Coding		MCD
Computer Systems and Internet Technologies		CIT
Poster	Electronics, Communications and Information Technologies	ECIT
International Professional Conference <i>Development and Implementation of Advanced Cable Services and Effective Business Models</i>		DIACAS 2015

Other Events	Mark
IEEE Serbia & Montenegro Section – Executive Committee Meeting	IEEE S&M
Women in Engineering Meeting (IEEE WIE)	IEEE WIE
Serbian Cable Operators – Steering Boards Meeting	PUKOS



Wednesday, October 13

Lecture Hall
10:30

OPENING
SESSION

Chairmen

Prof. **Bratislav Milovanović**
TELSIKS Conference General Chairman,
Serbia

Prof. **Felix Yanovsky**
National Aviation University, Ukraine

Prof. **Piotr Slobodzian**
Wroclaw University of Technology, Poland

Prof. **Roumen Kountchev**
Technical University of Sofia, Bulgaria

Prof. **Nebojša Dončov**
Technical Program Committee Chairman

WELCOME TO TELSIKS 2015

Prof. **Bratislav Milovanović**
TELSIKS Conference General Chairman,
Serbia

Prof. **Nebojša Dončov**
Technical Program Committee Chairman,
Serbia

Prof. **Vera Marković**
Serbia and Montenegro IEEE Section, Serbia

Prof. **Vera Dondur**
National Secretary, Ministry of Education,
Science and Technological Development
of Republic of Serbia

Prof. **Zoran Perišić**
Niš City Mayor, Serbia

Prof. **Dragan Janković**
Dean of the Faculty of Electronic Engineering,
University of Niš, Serbia

12:00

End of session



Wednesday, October 14

Lecture
Hall
11:15

PLENARY
SESSION

Chairmen

A. Raffo
University of Ferrara, Italy

N. Dončov
University of Niš, Serbia

Invited papers:

PL.1 Michael Pupin Academic Career
D. Drajić
University of Belgrade, Serbia

12:00 End of session



Wednesday, October 14

Room A
14:00

MODULATIONS AND CODING

Chairmen

Z. Perić
Univeristy of Niš, Serbia

P. Ivaniš
Univeristy of Belgrade, Serbia

Invited papers:

MCD.1 Low Complexity Memory Architectures Based on LDPC Codes: Benefits and Disadvantages
B. Vasić, P. Ivaniš*, S. Brkić*
University of Arizona, USA
**University of Belgrade, Serbia*

Regular papers:

MCD.2 Subband Coding of Audio Signal with Logarithmic Compandors
Z. Perić, M. Tančić, S. Tomić, D. Ćirić
University of Niš, Serbia

MCD.3 High Quality Speech Signal Coding with the Application of BTC Algorithm
Z. Perić, S. Tomić, M. Tančić
University of Niš, Serbia

MCD.4 Performance Analysis of the Companding Quantizer Using Piecewise Linear Approximation of the Gaussian Source
Z. Perić, N. Simić, A. Jovanović, M. Savić*
University of Niš, Serbia
**University of Priština, Serbia*

MCD.5 Complexity and Performance of QC-MDPC Code-Based McEliece Cryptosystems
O. Al Rasheed, P. Ivaniš
University of Belgrade, Serbia

MCD.6 An Error Correcting Technique for Performance Improvement of OFDM Based Secondary Link
N. Vukmirović, M. Janjić*, P. Ivaniš
University of Belgrade, Serbia
**Innovation Centre of School of Electrical Engineering, Belgrade, Serbia*

MCD.7 Packet Error Rate Analysis of Decode-and-Forward Wireless Networks with Internode SR-ARQ Protocols
N. Zdravković, A. Cvetković
University of Niš, Serbia

16:00 End of session



Wednesday, October 14

Room B
14:00

DIGITAL SIGNAL PROCESSING
AND MULTIMEDIA

Chairmen

R. Kountchev

Technical University of Sofia, Bulgaria

D. Pokrajac

Delaware State University, USA

B. Stošić

University of Niš, Serbia

Invited papers:

DSPM.1 Radix-(2×2) Hierarchical SVD for Multi-Dimensional Images

R. Kountchev, R. Kountcheva*

Technical University of Sofia, Bulgaria

*T&K Engineering, Bulgaria

Regular papers:

DSPM.2 Monte Carlo Testing and Verification of Numerical Algorithm Implementations

D. Pokrajac, A. Imran, P. Bakić*

Delaware State University, USA

*University of Pennsylvania, USA

DSPM.3 Innovative Design of CIC FIR Filter Functions

B. Stošić, D. Milić, V. Pavlović

University of Niš, Serbia

DSPM.4 Improvement of the Chaotic Response in MEMS with Fuzzy Control Implemented by ANN

J. Barcelo, Z. Marinković*, V. Marković*, J. Verd

University of Balearic Islands, Spain

*University of Niš, Serbia

DSPM.5 Colorization of Two Original Tesla's Photographs by the Method of Combined Segmentation

V. Vučković, S. Spasić

University of Niš, Serbia

DSPM.6 Performance Analysis of FSO Transmission of Watermarked Image over Rician Fading Channels

B. Prlinčević, B. Milovanović*, P. Spalević**,

S. Panić**, Z. Milivojević***

Higher Technical Professional School in Zvečan, Serbia

*Singidunum University, Serbia

**University of Priština, Serbia

***College of Applied Technical Sciences, Niš, Serbia

DSPM.7 Comparative Analysis of the Bluetooth Low-Energy Indoor Positioning Systems

D. Čabarkapa, I. Grujić, P. Pavlović*

University of Niš, Serbia

*University of Belgrade, Serbia

16:00

End of session



Room A
09:00

Thursday, October 15

MICROWAVE ELECTRONICS

Chairmen

A. Raffo
University of Ferrara, Italy
V. Marković
University of Niš, Serbia
O. Pronić-Rančić
University of Niš, Serbia

Invited papers:

ME.1 Nonlinear Modelling of GaN Transistors: Behavioural and Analytical Approaches
A. Raffo, G. Bosi, V. Vadalà, G. Vannini
University of Ferrara, Italy

Regular papers:

ME.2 Performance Analysis of a Microwave Low-Noise Amplifier Under Laser Illumination
A. Caddemi, E. Cardillo, G. Crupi, G. Salvo
University of Messina, Italy

ME.3 Inverse Modeling of an AlGaAs/GaAs HEMT from DC and Microwave Measurements
N. Boukourt, A. Caddemi*, E. Cardillo*, G. Crupi*,
B. Hadri, S. Patané*
University of Mostaganem, Algeria
**University of Messina, Italy*

ME.4 Neural Approach for Temperature Dependent Modeling of Microwave FET Noise Wave Temperatures
V. Đorđević, Z. Marinković*, V. Marković*,
O. Pronić-Rančić*
Innovation Center of Advanced Technologies, Niš, Serbia
**University of Niš, Serbia*

ME.5 Power Amplifier Linearization by Modified Baseband Signal Injection
A. Atanasković, N. Maleš-Ilić, A. Đorić*,
M. Živanović
University of Niš, Serbia
**Innovation Center of Advanced Technologies, Niš, Serbia*

ME.6 Linearization and Efficiency Enhancement of the RF Power Amplifier by the Even-order Nonlinear Signal Injection
A. Đorić, A. Atanasković*, N. Maleš-Ilić*
Innovation Center of Advanced Technologies, Niš, Serbia
**University of Niš, Serbia*

ME.7 High Frequency Characterization and Modeling of Ceramic Capacitors
M. Marjanović, D. Danković, A. Prijjić, V. Paunović,
Z. Prijjić
University of Niš, Serbia

11:00 End of session



Thursday, October 15

Room B
09:00

TELECOMMUNICATIONS
TECHNOLOGIES AND
SYSTEMS

Chairmen

O. Fratu
University Politehnica of Bucharest, Romania
I. Đorđević
University of Arizona, USA
N. Vuković
University of Southampton, UK

Invited papers:

TTS.1 Experimental Evaluation of LDPC-coded OAM Based FSO Communication in the Presence of Atmospheric Turbulence
Z. Qu, I. Đorđević
University of Arizona, USA

TTS.2 Fog Computing System for Monitoring Mild Dementia and COPD Patients - Romanian Case Study
O. Fratu, C. Pena*, R. Craciunescu, S. Halunga
University Politehnica of Bucharest, Romania
**Ana Aslan National Institute of Gerontology and Geriatrics Bucharest, Romania*

Regular papers:

TTS.3 Optimal Signal Constellation Design for Nonlinear Chromatic Dispersion Optical Channel
V. Ilić, T. Liu*, I. Đorđević*, M. Li**,
N. Stojanović***, F. Küeppers
Institute of Microwave Engineering and Photonics, Germany
**University of Arizona, USA*
***Huawei Technologies Co., Ltd., China*
****Huawei Technologies Duesseldorf GmbH, Germany*

TTS.4 Multidimensional Signal Constellation Design for Channel Dominated with Nonlinear Phase Noise
T. Liu, I. Đorđević, M. Li*
University of Arizona, USA
**Huawei Technologies Co., Ltd., China*

TTS.5 Hollow Core Large Mode Area Fiber Employing a Zero Contrast Subwavelength Grating Reflector
N. Vukovic, M. Zervas
University of Southampton, UK

TTS.6 Challenges in Developing WiFi Wide Coverage Access for River Information Services on the Danube River
M. Minea, M.C. Niculescu
University Politehnica of Bucharest, Romania

11:00

End of session



Thursday, October 15

Room A
11:00

ANTENNAS, PROPAGATION
AND RADIOLOCATION

Chairmen

P. Slobodzian

Wroclaw University of Technology, Poland

F. Yanovsky

National Aviation University, Ukraine

N. Dončov

University of Niš, Serbia

Invited papers:

APR.1 Challenges of Design and Practical Application of LTCC Chip Antennas

P. Slobodzian

Wroclaw University of Technology, Poland

APR.2 Spectral and Polarimetric Methods in Active and Passive Remote Sensing

F. Yanovsky, D. Turenko

National Aviation University, Ukraine

Regular papers:

APR.3 High Gain Printed Antenna Array for FMCW Radar at 17 GHz

N. Bošković, B. Jokanović, F. Oliveri*, D. Tarchi*

University of Belgrade, Serbia

**European Commission, DG Joint Research Centre (JRC), Unit Maritime Affairs, Italy*

APR.4 An Iterative MoM-Based Technique for Evaluation of Bistatic RCS of Electrically Large Scatterers

M. Tasić, B. Kolundžija

University of Belgrade, Serbia

APR.5 Feeding Structure Influence on Side Lobe Suppression of Printed Antenna Array with Parallel Reflector

M. Milijić, A. Nešić*, B. Milovanović**, N. Dončov, I. Radnović*

University of Niš, Serbia

**IMTEL Komunikacije a.d, Serbia*

***Singidunum University, Serbia*

APR.6 Few-Element Active Antenna Arrays for High-Accuracy Anti-Jamming GLONASS/GPS Receivers

V. Shepov, V. Vladimirov*, V. Markov

Krasnoyarsk Scientific Center of the Russian academy of sciences, Russia

**SPC "Electron", Russia*

13:00

End of session



Room A
12:00

Friday, October 16

MICROWAVE TECHNIQUE AND
COMPUTATIONAL
ELECTROMAGNETICS

Chairmen

B. Jokanović
University of Belgrade, Serbiaž
J. Joković
University of Niš, Serbia
T. Dimitrijević
University of Niš, Serbia

Invited papers:

MTE.1 Microwave and Wearable Technologies for 5G
O. Boric-Lubecke, V. M. Lubecke, B. Jokanovic*, A. Singh**, E. Shahhaidar**, B. Padasdao*
University of Hawaii at Manoa, USA
*University of Belgrade, Serbia
**Incube Labs, LLC

Regular papers:

MTE.2 Balanced Bandpass Filter Based on Square Patch Resonators
N. Janković, V. Crnojević-Bengin
University of Novi Sad, Serbia

MTE.3 Approximate Modelling Methods for Single-Stage Band Pass Filters with Antiparallel Configuration
S. Jovanović, V. Pantović
IMTEL Komunikacije a.d, Serbia

MTE.4 New Types of Microwave Position Sensors
D. Nešić
Centre of Microelectronic Technologies, Institute of Chemistry, Technology and Metallurgy, Serbia

MTE.5 TLM Modelling of an Annular Ring Coupled to a Circular Patch with a Shorted Pin
T. Dimitrijević, J. Joković, N. Dončov, B. Milovanović*
University of Niš, Serbia
*Singidunum University, Serbia

MTE.6 Thermal Effects on Human Head from Mobile Phones
V. Stanković, D. Jovanović, D. Krstić, N. Cvetković, V. Marković
University of Niš, Serbia

MTE.7 Measured Electrostatic Discharge Currents Modeling and Simulation
V. Javor, K. Lundengard*, M. Rančić*, S. Silvestrov*
University of Niš, Serbia
*Mälardalen University, Sweden

12:00 End of session



Friday, October 16

Room B
10:00

TELECOMMUNICATION
NETWORKS AND SERVICES

Chairmen

- Z. Bojković**
University of Belgrade, Serbia
- S. Halunga**
University Politehnica of Bucharest, Romania
- N. Maleš-Ilić**
University of Niš, Serbia

Invited papers:

- TNS.1 Research Challenges for 5G Cellular Architecture**
Z. Bojković, M. Bakmaz, B. Bakmaz
University of Belgrade, Serbia

Regular papers:

- TNS.2 A Comparison Between Several Software Defined Networking Controllers**
A. Stancu, S. Halunga, A. Vulpe, G. Suci, O. Fratu, E. Popovici
University Politehnica of Bucharest, Romania
- TNS.3 Bandwidth-Delay Constrained Routing Algorithms for Backbone SDN Networks**
S. Tomović, M. Radonjić, I. Radusinović
University of Montenegro, Montenegro
- TNS.4 Methodology for Inventory Systems design in Mobile Telecom Business**
A. Denda
Telenor Serbia, Serbia
- TNS.5 Energy Consumption in Periodical GSM/GPRS Transmissions of Small data Chunks: an Experimental Study**
D. Trancă, V. Marković*
University Politehnica of Bucharest, Romania
**University of Niš, Serbia*
- TNS.6 An Experiment with Real-Time Data Transmission Over Global Scale Mobile Voice Channel**
M. Perić, P. Miličević, Z. Banjac, B. Todorović
Vlacom doo, Serbia
- TNS.7 Planning and Optimization of E-band IP Networks**
D. Perić, M. Perić
Vlacom doo, Serbia

12:00

End of session



Friday, October 16

Room A
10:00

WIRELESS
COMMUNICATIONS

Chairmen

D. Cassioli

University of L'Aquila, Italy

Z. Hadži-Velkov

*Faculty of Electrical Engineering and Information
Technologies, Skopje, Macedonia*

Z. Marinković

University of Niš, Serbia

Invited papers:

WC.1 Modulation and Detection Strategies for 60 GHz UWB High-Data Rate Wireless Indoor Communications
D. Cassioli, N. Rendeovski*
University of L'Aquila, Italy
**St. Kliment Ohridski University, Macedonia*

Regular papers:

WC.2 Performance of Communication Systems with RF Energy-Harvesting and Processing Cost
I. Nikoloska, Z. Hadži-Velkov, H. Cingoska
*Faculty of Electrical Engineering and Information
Technologies, Skopje, Macedonia*

WC.3 Channel Capacity of Dual SC System with Desired Signal Decision Algorithm in Correlated Weibull Fading
A. Panajotović, D. Drača
University of Niš, Serbia

WC.4 ABER Evaluation of Noise-Limited Dual Hop System over EGK Fading Channel
J. Anastasov, A. Cvetković, D. Milović, D. Milić
University of Niš, Serbia

WC.5 Signal Moments at the Output from the Macrodiversity System with Three MRC Micro Diversity Receivers in the Presence of k - μ Fading
P. Spalević, B. Jakšić, B. Prlinčević*, I. Dinić,
M. Smilić
University of Pristina, Serbia
**Higher Technical Professional School in Zvečan,
Serbia*

WC.6 Performance of Wireless Receiver with an AFC over α - μ Multipath Fading Channel in the Presence of Single Interference
Č. Stefanović
University of Pristina, Serbia

14:00

End of session



Friday, October 16

Room B
12:00

COMPUTER SYSTEMS AND
INTERNET TECHNOLOGIES

Chairmen

M. Stojanović
University of Belgrade, Serbia
D. Stojanović
University of Niš, Serbia
D. Rančić
University of Niš, Serbia

Invited papers:

CIT.1 Approaches to Quality of Experience Management in the Future Internet
M. Stojanović, M. Vukašinović*,
V. Radonjić Đogatović
University of Belgrade, Serbia
**Telekom Srbija, Serbia*

Regular papers:

- CIT.2 Design Aspects of Web Services for M2M Device Fault and Performance Management**
I. Atanasov, A. Nikolov, E. Pencheva
Technical University of Sofia, Bulgaria
- CIT.3 Structure of Semantic Information for Prepaid Smart Metering**
I. Atanasov
Technical University of Sofia, Bulgaria
- CIT.4 Power Consumption Aware Software Architecture for M-Health Applications with Adaptive Security of Network Protocols**
V. Ćirić, J. Zlatanović*, E. Milovanović, N. Stojanović*
University of Niš, Serbia
**Nissatech Innovation Centre d.o.o., Serbia*
- CIT.5 Processing Big Trajectory and Twitter Data Streams using Apache STORM**
D. Stojanović, N. Stojanović, J. Turanjanin
University of Niš, Serbia
- CIT.6 Challenges in Designing and Implementation of an Effective Ambient Assisted Living System**
P. Koleva, K. Tonchev, G. Balabanov, A. Manolova,
V. Poulkov
Technical University of Sofia, Bulgaria
- CIT.7 Influence of the Different Input Data Volume, on the Emergency Vehicles Relocation Optimization Process Based on the AVL Data**
Č. Vasić, B. Predić, D. Rančić
University of Niš, Serbia
- CIT.8 Candidate Moves Method Implementation in MiniMax Search Procedure of the Achilles Chess Engine**
V. Vučković
University of Niš, Serbia

14:00

End of session



Wednesday, October 14

Room C/D
16:00

Poster session - ECIT-
ELECTRONICS,
COMMUNICATIONS AND
INFORMATION
TECHNOLOGIES

Chairmen

D. Denić
University of Niš, Serbia
Z. Cvetković
University of Niš, Serbia
A. Atanasković
University of Niš, Serbia

Regular papers:

ECIT.1 Non-Linearity Diagnostics of Nominally Linear Components

V. Papez, S. Papezova*
Czech Technical University in Prague, Czech Republic
**Czech University of Life Science Prague, Czech Republic*

ECIT.2 Transformer Short-Time Overload Testing

V. Papez, S. Papezova*
Czech Technical University in Prague, Czech Republic
**Czech University of Life Science Prague, Czech Republic*

ECIT.3 Towards a New Generation of Microfluidic Devices Without Microfluidic Channels

S. Marjanović, G. Kitić, J. Matović, N. Cselyuszka,
V. Crnojević-Bengin
University of Novi Sad, Serbia

ECIT.4 Calculation of Uncertainty in Electrical Power Quality Measurement Supported by LabVIEW Software

M. Simić, G. Miljković, D. Denić, D. Živanović
University of Niš, Serbia

ECIT.5 Digital Stochastic Measurement of Noised Biomedical Signals: Simulation versus Experiment

J. R. Djordjevic-Kozarov, D. Z. Mitić*, V. Vujčić*, P. Sovilj*
University of Niš, Serbia
**University of Novi Sad, Serbia*

ECIT.6 Calculation of Capacitance of Rectangular Coaxial Line with Offset Inner Conductor by Using Weak FEM Formulation

V. Petrović, Ž. Mančić*
University of Belgrade, Serbia
**University of Niš, Serbia*

ECIT.7 Calculation of Effective Permittivity of Transmission Lines with Multilayered Medium by Using Weak FEM Formulation of the Third Order

V. Petrović, Ž. Mančić*
University of Belgrade, Serbia
**University of Niš, Serbia*

- ECIT.8 Influence of Conducting Body on the Plan-Parallel Electrode Field**
Z. Cvetković, M. Potrebić*
University of Niš, Serbia
**University of Belgrade, Serbia*
- ECIT.9 Improved Load Balancing and Scheduling Performance in Embedded Systems with Task Migration**
S. Zoican, R. Zoican, D. Galatchi
University Politehnica of Bucharest, Romania
- ECIT.10 Dual-Band Two-Element MIMO Antenna for LTE and WLAN**
K. Song, G. Lu, F. Zeng
Communication University of China, China
- ECIT.11 Synthesis of IIR Filters Exhibiting Constant Group Delay Using Phase Invariance Method**
D. Mirković, I. Litovski*, V. Litovski**
University of Niš, Serbia
**Accenture, UK*
***Independent researcher, Serbia*
- ECIT.12 Reducing Processing Delay and Ping Pong Impact of Multi Attribute Decision Making Handover for Heterogeneous Wireless Networks**
M. Yadollahi, V. Vakili*, M. Ghaseminajm**, A. Jafarian
Mobile Communication Company of Iran, Iran
**Iran university of Science and Technology, Iran*
***University of Huddersfield, UK*
- ECIT.13 Cooperative V2V Clustering Algorithm for Improving Road Traffic Safety Information**
M. Minea
University Politehnica of Bucharest, Romania
- ECIT.14 Experimental Analysis of Weight-Compensated Weighted Centroid Localization Algorithm Based on RSSI**
J. Sretenović, S. Kostić, M. Simić
University of Belgrade, Serbia
- ECIT.15 Estimation of the Number of Stochastics EM Sources in Far-Field Using Probabilistic Neural Network**
Z. Stanković, N. Dončov, I. Milovanović*
University of Niš, Serbia
**Singidunum University, Serbia*
- ECIT.16 ANN Approach for Analysis of the Actuation Voltage Behavior of RF MEMS Capacitive Switches**
T. Ćirić, Z. Marinković, O. Pronić-Rančić, V. Marković, L. Vietzorreck*
University of Niš, Serbia
**Technical University Munich, Germany*
- ECIT.17 Development of the Android-based Secure Communication Device**
A. Jevremović, M. Veinović
University Singidunum, Serbia

18:00 End of session



Tuesday & Wednesday,
October 13 - 14

Hall A1
08:30

FORUM

Topic:

Forum of Advanced Technologies – City of Nis Potentials

Project organizers:

City of Nis - Office for Local Economic
Development

Co-organizers:

National Employment Service
Faculty of Electronic Engineering
Regional Chamber of Commerce Nis
NiCAT

Partners:

Pedagogic Association of Serbia Informatics Professionals, TELSIKS, Faculty of Mechanical Engineering, Faculty of Science, Faculty of Occupational Safety, Faculty of economics, Innovation Center of Advanced Technologies, Informatics Association of Serbia, College of Applied Technical Sciences Nis, Mathematical Institute of Serbian Academy of Sciences and Arts, National Council for Scientific and Technological Development, Union of Employers of Serbia, Singidunum University, Center of Excellence, Pogled Group, Company Logic Business Solutions Nis, DELI, Young Ambassadors, Grammar school "Svetozar Markovic" - Festival Science Is Not a Bogey Man, Media and Reform Center Nis, MENSA, Serbian Scientific Channel

Exhibitors:

Support institutions: Regional Chamber of Commerce Nis, NiCAT – Cluster of Advanced Technologies, National Employment Service – Nis Office, Regional Development Agency South, DELI
Science and Education: Faculty of Electronic Engineering, Faculty of Mechanical Engineering, Faculty of Science, Faculty of Occupational Safety, Metropolitan University, Singidunum University, Innovation Center of Advanced Technologies, College of Applied Technical Sciences Nis, Secondary Vocational School of Electrical

Engineering "Mija Stanimirovic", Secondary Vocational School of Electrical Engineering "Nikola Tesla", Secondary Vocational School of Mechanical Engineering "15.maj", Grammar school "Svetozar Markovic" and Science Is Not A Boogey Man Festival, Grammar school "Bora Stankovic", Grammar school "Stevan Sremac"...

Present Investors: PHILIP MORRIS International, YURA Corporation, SHINWON – YURA Eltech, BENETTON Group, Olimpjas, JOHNSON ELECTRIC, LEONI, GRAMMER...

Approximately 50 companies from Advanced Technology Sector.

General Objective::

• Presentation of the City of Nis as the center of advanced technologies on the basis of the existing institutional and productive resources to the representatives of relevant ministries, research and development institutions, donor and diplomatic community, regional development agencies, etc. and the establishment of a traditional meeting which will be held every year and which will be directed to the achievement of the general project objective.

Target Groups:

- Local community - local government, business sector and professional community in the sector of economy and education;
- Respective ministries and agencies, research and development institutions, diplomatic and donor communities, regional development agencies, national think tank organizations (NALED, SCTM, Serbian Association of Managers and alike);
- Promotion of educational institutions and employment opportunities in the field of advanced technologies in order to increase the number of students;
- Present and potential investors in the region;
- Students of secondary schools and university students;
- Media, journalists.

First Day – Tuesday, October 13:

1. Exhibition of products in the field of advanced technologies and the presentation of the educational, scientific, research and institutional resources.
2. Panels:
 - 1) City of Nis Strategic Goals and Conditions for Advanced Technology Development (Office for Local Economic Development)
 - 2) Potentials of Economy, Science and Education (Nis Regional Chamber of Commerce, NiCAT – Cluster of Advanced Technologies, Faculty of Electronic Engineering)

3. Exhibition of beginnings of advanced technologies
- through the history of production in the
City of Nis

Second Day – Wednesday, October 14:

1. Job Fair and Professional Orientation Fair
(National Employment Service)
2. Panel: Possibilities for Investments and
Development
3. Professional lecture by Telekom
4. MENSA testing

16:00 End of session



Thursday, October 15

Room B
11:00

International Professional
Conference - DIACAS 2015

**Development and implementation of
advanced cable services and effective
business models - DIACAS 2015**

Conference will be held in Serbian.

Topic:

**Financial models in realization of re-
distribution of media contents and
development and implementation of advanced
cable services in the country and region**

**Finansijski modeli u realizaciji redistribucije
medijskih sadržaja i razvoj i implementacija
naprednih kablovskih servisa u zemlji i
okruženju**

The aim of the international professional conference is to assess the current state of development of cable services in the country and region, analysis of financial models for realization of the author rights and rights for re-distribution of media contents, and to identify problems in business and implementation of new services in a constructive exchange of the experience, resulting in finding solutions that will enable better business environment for cable operators, increase workloads and improve the Quality of Service. Our intention is to convene a conference with long-lasting tradition that will cover variety of current topics and issues in the filed of cable broadcasting.

Subtopics:

1. Payment models related to author rights
2. Contractual relationships with broadcasters
3. Experiences in development and implementation of cable services
4. Regulatory issues

Organizers:

*PUKOS – Business Association of Cable Operators
of Serbia*

*MTTS – Society for Microwave Technique,
Technologies and Systems*

Participants:

1. PUKOS members,
2. Representatives of cable operator societies from countries from the region
3. Telekom, PTT, SBB,
4. Representatives of Serbian Ministries, RATEL, RRA, Intellectual Property Office, Agency for protection of author rights, SOKOJ, etc.
5. Representatives of broadcast operators,
6. Exhibitors (representatives of cable equipment manufacturers, representatives of the broadcasting right holders).

Chairmen:

Prof. Dr. Bratislav Milovanović
*TELSIKS Conference General Chairman, University of Niš, PUKOS Assembly president
MTTS president*

MSc Andrija Bednarik
*Radius Vektor
PUKOS Managing Board president*

*Dragan Ilić
PUKOS Managing Board member*

14:00 End of session