

ПРОГРАМ СПЕЦИЈАЛНИХ, РЕГУЛАРНИХ И СТУДЕНТСКИХ СЕКЦИЈА

SPECIAL, REGULAR AND STUDENT SESSIONS' *PROGRAM*

SPECIJALNE SEKCIJE / SPECIAL SESSIONS

СПЕЦИЈАЛНА СЕКЦИЈА 1: (CC1) ***SPECIAL SESSION 1: COMMUNICATION SUBSYSTEMS FOR EMERGING WIRELESS TECHNOLOGIES (SS1)*** **Organizer: Prof. Zorica Nikolić**

CC1/SS1 Уторак/Tuesday, 22.11.2011., 14:30-16:45
Soba/Room 15/1

Председавајући/Chairpersons: Ana Collado, Nenad Milošević

- SS.1.1. Ana Collado, Apostolos Georgiadis: **Active antennas in substrate integrated waveguide (SIW) technology (Invited presentation)**
- SS.1.2. Bojan Dimitrijevic, Zorica Nikolić, Nenad Milošević: **Presentation of Development Environment Based on USRP Hardware (Presentation)**
- SS.1.3. Bojana Nikolić, Bojan Dimitrijević, Nenad Milošević, Goran Đorđević: **Comparative analysis of performances of the EGC diversity receiver obtained in simulated environment and in realistic conditions on USRP hardware**
- SS.1.4. Zbyněk Fedra, Bojan Dimitrijević, Nenad Milošević, Slavimir Stošović, Zorica Nikolić: **Low Computing Complexity Frame Synchronization for OFDM Communication**
- SS.1.5. Nenad Milošević, Slavimir Stošović, Bojan Dimitrijević, Zorica Nikolić: **OFDM/MDPSK System Performance Improvement in the Presence of Frequency Offset**

СПЕЦИЈАЛНА СЕКЦИЈА 2: МАГЕО (CC2) ***SPECIAL SESSION 2: MAGEO (SS2)*** **Organizer: Prof. Vesna Crnojević-Bengin**

CC2/SS2 Уторак/Tuesday, 22.11.2011., 17:00-19:15
Soba/Room 15/1

Председавајући/Chairpersons: Vesna Crnojević-Bengin, Apostolos Georgiadis

- SS.2.1. Apostolos Georgiadis, Ana Collado: **Solar/Electromagnetic Energy Harvesting Modules for RFID and Wireless Sensors (Invited presentation)**
- SS.2.2. Bianca Will: **Time domain transmission sensors for soil moisture measurements (Invited paper)**
- SS.2.3. Vladan Minić, Predrag Lugonja, Vladimir Crnojević: **A complete system for remote collection of meteorological data**
- SS.2.4. Rudolf Seller, Károly Kazi, Vilmos Rösner, Levente Dudás, Jozsef Földes: **Small Sized Synthetic Aperture Radar Development**
- SS.2.5. Slobodan Birgermajer, Goran Kitić, Vesna Crnojević-Bengin: **Microwave Soil Moisture Sensor Based on Phase Shift Detection of Transmission Coefficient in Band-Stop Structures**

СПЕЦИЈАЛНА СЕКЦИЈА 3: МЕДИЦИНСКИ СИГНАЛИ (СС3)
SPECIAL SESSION 3: MEDICAL SIGNALS (SS3)
Organizer: Prof. Mirjana Popović

СС3/SS3 Четвртак/Thursday, 24.11.2011., 11:00-13:15

Soba/Room 3/1

Председавајући/Chairperson: Mirjana Popović

- SS.3.1. Damjan Zazula, Denis Đonlagić, Sebastijan Šprager: **Unobtrusive Monitoring of Biomedical Signals in Home Environment**
- SS.3.2. Rok Istenič, Matjaž Divjak, Aleš Holobar: **On detection of pathological tremor in electroencephalograms**
- SS.3.3. Andrej Savić, Imran Niazi, Mirjana Popović: **Self-paced vs. cue-based motor task: The difference in neural activity**
- SS.3.4. Miloš Kostić, Dejan Popović: **Action representation of point to point movements: Classification with probability tube**
- SS.3.5. Nadica Miljkovic, Goran Bijelić, Gonzalo Garcia, Mirjana Popović: **Independent Component Analysis of EMG for posture detection: sensitivity to variation of position properties**
- SS.3.6. Milica Djurić-Jovičić, Vera Miler-Jerković: **Intra-subject stride-to-stride variability: selecting subject's representative gait pattern**

ПРОГРАМ РЕГУЛАРНИХ И СТУДЕНТСКИХ СЕКЦИЈА *REGULAR AND STUDENT SECTIONS' PROGRAM*

СЕКЦИЈА 1: ПОЛИТИКА, РЕГУЛАТИВА И УСЛУГЕ У ТЕЛЕКОМУНИКАЦИЈАМА (ПРУ) *SECTION 1: POLICY, REGULATORY ASPECTS AND SERVICES IN TELECOMMUNICATIONS (PRS)*

ПРУ 1	Уторак, 22.11.2011.	14:30	сала 3/1
PRS 1	Tuesday, 22.11.2011.	14:30	Hall 3/1
Председавајући Chairpersons	Kaydar Quboa, Vlado Delić		

- 1.1. Sadeque Imam Shaikh, Fazle A Rabbi, Kazi Baha Uddin: **E-Governance in Bangladesh, Survey, Analysis and Proposed Recommendations**
- 1.2. Kaydar Quboa, Bariq Abaoy : **Wireless Communication And Environmental Health Safety Standards**
- 1.3. Saša Stamenković: **Rizici poslovanja telekom-operatora u eri ultra-brzih broadband tehnologija**
- 1.4. Sonja Lukić: **Izazovi razvoja mobilnog sirokopojasnog pristupa**
- 1.5. Aleksandar Mišković, Mladen Veinović: **Komparativna analiza sertifikacionih tela u Srbiji**
- 1.6. Milenko Cvetinović: **Paketi telekomunikacionih usluga – zašto i kako**
- 1.7. Snežana Šarboh: **Patentne aktivnosti Mihajla Pupina**

ПРУ 2	Уторак, 22.11.2011.	17:00	сала 3/1
PRS 2	Tuesday, 22.11.2011.	17:00	Hall 3/1
Председавајући Chairpersons	Željko Trpovski, Mile Mirčevski		

- 1.8. Mile Mirčevski: **Virtual organizations – integration of ICT strategy with business and organizational strategy**
- 1.9. Yuyu Chou, Olga Levina, Jan Oetting: **Enforcing Confidentiality in a SaaS Cloud Environment**
- 1.10. Anel Tanovic, Iosif Androulidakis: **Producing a new model for the eTOM standard through an empirical study**
- 1.11. Marina Janković, Ilja Stanišević: **Zachmanov okvir kao podrška strategijskom odlučivanju**
- 1.12. Anel Tanovic, Fahrudin Orucevic: **Integration of PRINCE2 model into ITIL V3 model**
- 1.13. Borislav Kolarić: **Efikasnost primene intraneta u javnim preduzećima Srbije**
- 1.14. Milica Bošković, Nenad Putnik: **Uloga društvenih mreža u savremenim socio-političkim i bezbednosnim pojavama**

ПРУ 3	Четвртак, 24.11.2011.	08:30	сала 3/1
PRS 3	Thursday, 24.11.2011.	08:30	Hall 3/1
Председавајући Chairpersons	Nataša Gospić, Milenko Cvetinović		

- 1.15. Duško Lukač, Miroslav Rogić: **Next 20 Years of the Information and Communication Technology (ICT)**
- 1.16. Dejan Vujić: **Mobile Financial System Services Potential to Provide Banking Services to General Population**
- 1.17. Marijana Despotović-Zrakić, Aleksandra Labus, Aleksandar Milić: **Fostering Engineering E-learning Courses with Social Network Services**
- 1.18. Ivan Vidaković, Petar Daković, Dragan Jonić, Zlatko Nedelicki, Tomislav Šuh, Aleksandar Lebl: **Sistem za tačno vreme STV**
- 1.19. Maja Krsmanović, Goran Murić, Nataša Gospić: **Povećanje nivoa bezbednosti dece uz pomoć sistema zasnovanog na RFID tehnologiji**
- 1.20. Aleksandar Minja, Vojin Šenk: **FAR Vision – Sistem za vizualizaciju podataka vatrogascima**

СЕКЦИЈА 2: ТЕЛЕКОМУНИКАЦИОНЕ МРЕЖЕ (ТМ) *SECTION 2: TELECOMMUNICATIONS NETWORKS (TN)*

ТМ 1 Уторак, 22.11.2011. 14:30 сала 3/0
ТН 1 Tuesday, 22.11.2011. 14:30 Hall 3/0
Председавајући Mirjana Stojanović
Chairperson

QoS у телекомуникационим мрежама/*QoS in Telecommunications Networks*

- 2.1. Slavica Boštjančič Rakas, Mirjana Stojanovic: **An Approach to Inter-Provider Quality of Service Negotiation in NGN (Invited paper)**
- 2.2. Gregory Epiphaniou, Carsten Maple, Paul Sant: **Bridging the Gap Between Security and Quality of Service for VoIP Streams over Unicast Transmissions**
- 2.3. Leos Tovarek: **Multidiscipline Approach to Key Performance Indicator Measurements**
- 2.4. Aytül Bozkurt, Hüseyin Demirel: **Adaptive Bandwidth Allocation for call-level QoS in Wireless Mobile Networks**
- 2.5. Emiliya Saranova, Stoyan Poryazov: **On the Minimal State Tuple of VNET with Overall QoS Guaranties**
- 2.6. Ana Anđelić, Mladen Koprivica, Boško Božilović: **Eksperimentalna analiza performansi VPN konekcije između strongSwan klijenta i Cisco IOS IPsec gateway-a**
- 2.7. Aleksandar Jevremovic, Ranko Popovic, Dejan Zivkovic, Mladen Veinovic, Goran Shimic: **DMS - Improving Web Performance**
- 2.8. Velimir Šćepanović, Đuro Kopitović: **Kabl TD-59PT..M u zoni elektrificirane pruge 25kV/50Hz**

ТМ 2 Среда, 23.11.2011. 08:30 сала 1a/0
ТН 2 Wednesday, 23.11.2011. 08:30 Hall 1a/0
Председавајући Dejan Drajić
Chairperson

Перформансе мрежних уређаја; Тарифирање; Оптичке телекомуникације/ *Performances of network devices; Accounting&billing;Optical communications*

- 2.9. Vesna Radonjić, Vladanka Aćimović-Raspopović: **Dinamički tarifni modeli u mrežama naredne generacije (Invited paper)**
- 2.10. Muhammad Hayat: **Engset loss models for an OBS/OPS node with shared wavelength conversion**
- 2.11. Nikola Ljumović, Danilo Mišović, Igor Radusinović, Milutin Radonjić, Dušan Banović: **Analiza uticaja veličine bafera na performanse CQ Ethernet komutatora**
- 2.12. Milutin Radonjić, Igor Radusinović, Dušan Banović, Ivo Maljević: **Analiza varijacije kašnjenja kod CQ komutatora paketa u uslovima uniformnog saobraćaja**
- 2.13. Stefanos Mylonakis: **WDM Mesh Networks Restorations**
- 2.14. Flavius Dan Surianu, Adrian Pana: **Fiber Optic Cable Mounted on Common Poles with a Medium Voltage Overhead Line Standardizing Procedure**
- 2.15. Nebojša Lukić, Milan Janković, Borislav Odadžić: **Mogućnosti primene i realizacije tehničkog rešenja femto ćelija u mrežama za pristup**
- 2.16. Valentina Timčenko, Vuk Dulović: **Modelovanje mobilnosti u urbanom okruženju**

ТМ 3 Среда, 23.11.2011. 17:00 сала 1a/0
ТН 3 Wednesday, 23.11.2011. 17:00 Hall 1a/0
Председавајући Aleksandra Smiljanić
Chairperson

Рутирање у телекомуникационим мрежама/*Routing in telecommunication networks*

- 2.17. Tomasz Bujlow, Kartheeran Balachandran, Tahir Riaz, Jens Myrup Pedersen: **Volunteer-Based System for classification of traffic in computer networks**
- 2.18. Roohollah Barzamini, M. Shafiee: **A New Sliding Mode Controller for TCP Congestion Control**
- 2.19. Toni Janevski, Ivan Petrov: **Analysis of the Impact of Duplicated ACK on the Performances of TCP**
- 2.20. Jahangir Dadkhah Chimeh: **Packet blocking rate in a wireless network**
- 2.21. Slavko Pokorni, Radomir Janković: **Reliability Estimation of a Complex Communication Network by Simulation**
- 2.22. Mohamed Bouhorma, Anouar Abdelhakim Boudhir, Mohamed Ben Ahmed, Said El Barak: **New Route Request Mechanism for Energy Optimization in Mobile Ad hoc Networks**
- 2.23. Nikola Janićijević, Milan Lukić, Ivan Mezei: **Routing Protocol for Low-Power and Lossy Wireless Sensor Networks**
- 2.24. Milan Lukić, Nikola Janićijević, Ivan Mezei: **Improved Decision Making in WSN Based on Localized Auctions and Fuzzy Logic**

- 2.25. Roohollah Barzamini, M. Shafiee: **Congestion Control of Differentiated Services Networks by Sliding Mode Control**

TM 4 Четвртак, 24.11.2011. 08:30 сала 1a/0
TN 4 Thursday, 24.11.2011. 08:30 Hall 1a/0
Председавајући Nenad Krajnović
Chairperson

Мултимедијални сервиси у IP мрежама; Телекомуникациони сервиси у електропривреди/
Multimedia services in IP networks; Telecommunication services in power utilities

- 2.26. Dejan Jovanović, Dragan Mladenović, Dejan Blagojević: **Primena ZRTP protokola u zaštiti multimedijalnog prenosa**
- 2.27. Zvezdan Stojanović, Srđan Jovanović: **IPTV u mreži M:TEL-a**
- 2.28. George Cristian Cernat, Andrei Poenaru Vlad, George Suciu: **Multimedia content distribution between core network routers using Peer-to-Peer (P2P)**
- 2.29. Arūnas Statkus, Šarūnas Paulikas: **Analysis of Home Wi-Fi Internet Access Networks Situation in Vilnius City**
- 2.30. Saleh Abdallah-Saleh, Qi Wang, Christos Grecos: **Evaluation of Mobile Video Streaming in Heterogeneous Wireless Networks**
- 2.31. Pere Tuset, Roberto Romero, Pere Barberán, Léonard Janer, Marc Llenas, Jorge Luna: **HomePlug AV for Digital Out-of-Home (DOOH) Advertisement applications, results and experiences from a real-world deployment**
- 2.32. Jasna Marković-Petrović, Mirjana Stojanović: **Analiza servisa daljinskog upravljanja u telekomunikacionim mrežama u elektroprivredi**
- 2.33. Žarko Veličković, Aleksandar Adžić, Srđan Mitrović: **Raspoloživost E1 servisa u SDH mreži EMS**

СЕКЦИЈА 3: РАДИО-КОМУНИКАЦИЈЕ (РК) *SECTION 3: RADIO COMMUNICATIONS (RC)*

PK 1 Уторак, 22.11.2011. 14:30 сала 5/1
RC 1 Tuesday, 22.11.2011. 14:30 Hall 5/1
Председавајући Djuradj Budimir
Chairperson

- 3.1. Djuradj Budimir, Dmytro Dmytro: **Compensation of Nonlinear Distortion in RF Power Amplifiers for Wireless Communications (Invited paper)**
- 3.2. Predrag Jovanovic, Predrag Petrović, Branislav Pavić, Ninoslav Remenski: **Implementation of RF Signal Generator for Demodulator/Receiver Testing in SDR Design**
- 3.3. Alkan Soysal: **A Method for Optimizing Matrix Valued Functions and Its Applications to Capacity of MIMO Systems**
- 3.4. Florin Crăciun, Ion Marghescu, Octavian Fratu: **RAKE receiver performances for PAM-TH-UWB systems**
- 3.5. Radoje Jevtić, Jovan Ničković: **Measuring and simulation electromagnetic field results of wireless router AT-WA1104G**
- 3.6. Mircea Popa, Catalin Iapa: **Embedded Weather Station with Remote Wireless Control**
- 3.7. Jahangir Dadkhah Chimeh: **Millimetric Waves Technologies: Opportunities and Challenges**

PK 2 Уторак, 22.11.2011. 17:00 сала 5/1
RC 2 Tuesday, 22.11.2011. 17:00 Hall 5/1
Председавајући Nataša Nešković
Chairperson

- 3.8. Milos Borenovic, Aleksandar Neskovic: **ANN Based Models for Positioning in Indoor WLAN Environments (Invited paper)**
- 3.9. Ozkan Katircioğlu, Hasan Isel, Osman Ceylan, Firat Taraktas, Bulent Yagci: **Comparing Ray Tracing, Free Space Path Loss And Logarithmic Distance Path Loss Models In Success Of Indoor Localization With Rssi**
- 3.10. Ancuta Dobircău, Silviu Folea, Honoriu Vălean, Daniela Bordenca: **Indoor Localization System Based on Low Power Wi-Fi Technology**
- 3.11. Marina Vuckovic, Ivan Petrovic, Deni Vidovic, Zarko Kostovic, Szilveszter Pletl, Dragan Kukolj: **Space Grid Resolution Impact on Accuracy of the Indoor Localization Fingerprinting**

- 3.12. Nikola Gvozdencovic, Miljko Eric: **Localization of users in multiuser MB OFDM UWB systems based on TDOA principle**
- 3.13. Adrian Matei: **An Epidemic Dissemination Mechanism for Clustered Environments in the Framework of Next Generation Vehicular Networks**
- 3.14. Marko Angjelinoski, Vladimir Atanasovski, Liljana Gavrilovska: **Comparative analysis of spatial interpolation methods for creating Radio Environment Maps**
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|-----------------------|-------------------------------|--------------|-----------------|
| PK 3 | Среда, 23.11.2011. | 08:30 | сала 5/1 |
| RC 3 | Wednesday, 23.11.2011. | 08:30 | Hall 5/1 |
| Председавајући | Octavian Fratu | | |
| Chairperson | | | |
- 3.15. Venceslav Kafedziski: **Network information theory and its implications on modern wireless communications (Invited presentation)**
- 3.16. Usama Khan Sultan, Panu Lahdekorpi, Jukka Lempiainen: **Impact of Repeaters and Base Station Antenna Tilt on performance of a WCDMA macro cellular network for different Network Topologies**
- 3.17. Badoui Yamine, Rahim Tafazolli: **Reducing the Emergency Call Setup Duration in UMTS**
- 3.18. Tomislav Shuminoski, Toni Janevski: **Adaptive Cross-layer QoS Framework for Multimedia Traffic in Heterogeneous UMTS/WLAN Networks**
- 3.19. Zlatan Jukic, Muhammad Hayat: **Performance Modelling of MAC Protocol for GPRS**
- 3.20. Liljana Gavrilovska, Vladimir Atanasovski, Katerina Stojanovska, Atanas Liasovski: **Spectrum sensing techniques – Energy Detection and Eigenvalue Detection**
- 3.21. Florin Craciun, Simona Halunga, Octavian Fratu: **Multi-user interference performances for PPM-TH-UWB systems**
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|-----------------------|-------------------------------|--------------|-----------------|
| PK 4 | Среда, 23.11.2011. | 14:00 | сала 5/1 |
| RC 4 | Wednesday, 23.11.2011. | 14:00 | Hall 5/1 |
| Председавајући | Liljana Gavrilovska | | |
| Chairperson | | | |
- 3.22. Liljana Gavrilovska: **Challenging Traditional Spectrum Regulations (Invited presentation)**
- 3.23. Stojce Ilcev: **Orbcomm Space Segment for Mobile Satellite System (MSS)**
- 3.24. Marija Denkovska, Pero Latkoski, Liljana Gavrilovska: **Geolocation Database Approach for Secondary Spectrum Usage of TVWS**
- 3.25. Omid Rajabi, Ashkan Kalantari, Ehsan Soleimani-Nasab, Mehrdad Ardebilipour: **Uplink and Downlink Beamforming in Two-way Relay Networks**
- 3.26. Kire Jakimoski, Toni Janevski: **Improving the Vertical Handover Latency for VoIP between WLAN and WiMAX networks**
- 3.27. Goran Horvat, Damir Šoštarić, Drago Žagar: **User authorization system using ZigBee WSN and AVR architecture**
- 3.28. Bojan Mrazovac, Milan Z. Bjelica, Branislav M. Todorović, Aleksandar Miljković, Dragan Samardžija: **Using Radio Irregularity for Increasing Residential Energy Awareness**
- 3.29. Daniela Bordenca, Silviu Folea, Honoriu Vălean, Ancuta Dobîrcău, Mihai Hulea: **Monitoring Radiations Based on Ultra Low Power Wi-Fi System**
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|-----------------------|-------------------------------|--------------|-----------------|
| PK 5 | Среда, 23.11.2011. | 11:00 | сала 5/1 |
| RC 5 | Wednesday, 23.11.2011. | 11:00 | Hall 5/1 |
| Председавајући | Aleksandar Nešković | | |
| Chairperson | | | |
- 3.30. Toni Janevski: **Emerging Mobile and Wireless Networks (Invited presentation)**
- 3.31. Oana Iosif, Ion Banica: **LTE Uplink Analysis using Two Packet Scheduling Models**
- 3.32. Liljana Gavrilovska, Dejan Talevski: **Novel Scheduling Algorithms for LTE Downlink Transmission**
- 3.33. Sayeb Rahima, Hamdi Nouredine: **A Novel User Scheduling Strategy for Grouped Subcarriers in MIMO-OFDM System**
- 3.34. Ognjen Ognenoski, Ivan Kraljevski, Pero Latkoski: **Subcarrier Mapping using Random Matrices in SC-FDMA Interface for 3GPP LTE Uplink**
- 3.35. Roxana Cîrstea, Octavian Fratu, Silviu Ciochină: **A collaborative operation of SNR rings and scheduling decisions in OFDMA technologies**
- 3.36. Nenad Gligorić, Srdjan Krčo, Dejan Drajić, Stevan Jokić, Bojana Jakovljević: **M2M Device Management in LTE Networks**
- 3.58. Uglješa Urošević, Zoran Veljovic, Igor Radusinović: **MISO model za poboljšanje BER performansi OFDM-CDMA sistema sa pilot tonom**

PK 6	Среда, 23.11.2011.	17:00	сала 5/1
RC 6	Wednesday, 23.11.2011.	17:00	Hall 5/1
Председавајући Chairperson	Milica Pejanović-Đurišić		

- 3.37. Milica Pejanović-Djurišić, Enis Kočan: **Relejne tehnike u kooperativnim komunikacionim sistemima (Invited paper)**
- 3.38. Milica Božić, Milan Čabarkapa, Nataša Nešković, Aleksandar Nešković, Djuradj Budimir: **Kompenzacija nelinearne distorzije u MIMO OFDM bežičnim komunikacionim sistemima**
- 3.39. Nenad Ivković, Zlatica Marinković, Olivera Pronić-Rančić, Vera Marković: **Primena veštačkih neuronskih mreža za ekstrakciju elemenata ekvivalentnog kola mikrotalasnih FET tranzistora**
- 3.40. Aleksandar Miljković, Bojan Mrazovac, Dragan Samardžija, Dragan Kukolj: **Detekcija pokreta i prisustva na osnovu promene vrednosti snage radio signala**
- 3.41. Marija Milijić, Zoran Stankovic, Ivan Milovanović: **Neuronski model za procenu snage eksternog šuma kod prijemnika bežičnih komunikacionih sistema**
- 3.42. Marija Malnar, Vladimir Orlić: **Jedan metod za eliminaciju faznog džitera prilikom softverske demodulacije signala**
- 3.43. Uroš Pešović, Dejan Vujičić, Jože Mohorko, Siniša Randić: **Alat za analizu metapodataka u IEEE 802.15.4 bežičnim mrežama**
- 3.44. Miloš Dejanović: **Motorola Canopy tehnologija i njena praktična primjena**

PK 7	Четвртак, 24.11.2011.	08:30	сала 5/1
RC 7	Thursday, 24.11.2011.	08:30	Hall 5/1
Председавајући Chairperson	Mirjana Simić		

- 3.45. Mirjana Simić: **Određivanje lokacije korisnika u radio mrežama postupkom segmentacije prostora (Invited paper)**
- 3.46. Jelena Žarković, Predrag Stojković, Nataša Nešković: **3D statistički propagacioni model za indoor radio pokrivanje u WLAN mrežama**
- 3.47. Maja Ilić-Delibašić, Milica Pejanović-Djurišić: **Analiza performansi bežičnih komunikacionih sistema u uslovima Rice-ovog fedinga sa promjenljivim K faktorom**
- 3.48. Enis Kočan, Milica Pejanović-Djurišić: **Kapacitet OFDM AF VG relejnih sistema u uslovima Rayleigh-evog fedinga**
- 3.49. Dragan Golubović: **Potiskivanje uticaja višestrukog prostiranja na uplink-u multikorisničkih OFDM sistema primenom kružnih adaptivnih antenskih nizova**
- 3.50. Rade Božović, Vladimir Orlić, Miroslav L. Dukić: **Automatska klasifikacija modulacija metodom kumulanata šestog reda različitih struktura**
- 3.51. Jelena Uljarević, Nataša Nešković: **Uopredna analiza MAC protokola bežičnih senzorskih mreža**

PK 8	Четвртак, 24.11.2011.	11:00	сала 5/1
RC 8	Thursday, 24.11.2011.	11:00	Hall 5/1
Председавајући Chairperson	Igor Simić		

- 3.52. Igor Maravić, Aleksandar Nešković: **Frekvencijsko planiranje LTE mreže**
- 3.53. Marko Vučićević, Aleksandar Miljković, Ištvan Papp, Dragan Samardžija: **Određivanje optimalne raspodele predajnika u heterogenoj bežičnoj mreži upotrebom genetskog algoritma**
- 3.54. Aleksandra Petrović, Majda Petrić: **Analiza kvaliteta rada primopredajnika mobilnih GPRS i EDGE terminala korišćenjem mernog uređaja ROHDE&SCHWARZ CMU200**
- 3.55. Luka Marović, Irena Janković, Mladen Koprivica, Aleksandar Nešković: **Markovljev multipath model radio kanala u outdoor okruženju**
- 3.56. Jelena Sokić, Marija Vučićević, Mladen Koprivica, Aleksandar Nešković: **Uopredna analiza kvaliteta UMTS signala mobilnih operatora**
- 3.57. Milan Bjelica, Mirjana Simić, Predrag Pejović: **Procena servisne zone bazne stanice metodama kombinatorne geometrije**
- 3.59. Jelena Tomić, Nataša Nešković: **Analiza tehnika kontrole pristupa medijumu u IEEE 802.11s mrežama**

SEKCIJA 4: SISTEMI PRENOŠA SIGNALA (SPC) SECTION 4: COMMUNICATIONS SYSTEMS (CS)

SPC 1 Среда, 23.11.2011. 08:30 сала 3/0
CS 1 Wednesday, 23.11.2011. 08:30 Hall 3/0
Председавајући Goran Đorđević
Chairperson

- 4.1. Ashkan Kalantari, Ehsan Soleimani-Nasab, Mehrdad Ardebilipour, Behrad Mahboobi: **Performance Analysis of Multi-Antenna Relay Network with Imperfect Channel Estimation**
- 4.2. Ramiro Samano-Robles, Atilio Gameiro: **Cross-layer Design of a Time-Division Multiple Access Protocol with Cooperative Diversity**
- 4.3. Jelena Anastasov, Aleksandra M. Cvetkovic, Stefan Panic, Dejan Milic, Mihajlo Stefanovic: **ABER Performance of Dual-hop System over Asymmetric Fading Channels with Interference at the Relay**
- 4.4. Hamed Ghasemi, A. Falahati: **Employing Relay Ordering in Incremental Amplify and Forward Relaying Technique to Improve Outage Probability**
- 4.5. Milica Petković, Bata Vasić, Milan Marković: **Exact bit error rate of QAM over Nakagami fading channel**

SPC 2 Среда, 23.11.2011. 11:00 сала 6/1
CS 2 Wednesday, 23.11.2011. 11:00 Hall 6/1
Председавајући Dejan Drajić
Chairperson

- 4.6. Ludovic Danjean, Vida Ravanmehr, David Declercq, Bane Vasić: **Iterative Reconstruction Algorithms in Compressed Sensing (Invited paper)**
- 4.7. Stevan Jokić, Srdjan Krčo, Jelena Vučković, Nenad Gligorić, Dejan Drajić: **Evaluation of an XML Database Based Resource Directory Performance**
- 4.8. Ilesanmi Oluwafemi, Stanley Mneney: **Performance of Turbo Super-Orthogonal Space-Time Frequency Trellis Coded OFDM System**
- 4.9. Jelena Smiljanić, Predrag Ivaniš: **Napadi na RSA kriptosistem zasnovani na celobrojnoj faktorizaciji**
- 4.10. Bojan Andrejić, Predrag Ivaniš: **Softverska implementacija algoritama za kompresiju podataka i njihova uporedna analiza**
- 4.11. Melania Naumof, Leonas Ciulinaru, Constantin Daniel Oancea: **Sources of Uncertainties in Power Line Communication System Modeling**
- 4.12. Jasmina Mandić-Lukić, Nenad Simić, Bojan Stojanović, Bojan Milinković: **Analiza uticaja čvorišta elektroenergetskih instalacija na uslove prenosa digitalnih signala**

SPC 3 Среда, 23.11.2011. 14:30 сала 3/0
CS 3 Wednesday, 23.11.2011. 14:30 Hall 3/0
Председавајући Octavian Fratu
Chairperson

- 4.13. Octavian Fratu, Valeriu Savu, Simona Halunga: **Considerations on Underground Radio Communications (Invited presentation)**
- 4.14. Milan Gnjatović: **Contextual Adaptation and Emotional Awareness in Assistive Conversational Agents (Invited paper)**
- 4.15. Vladimir Petrovic, Marko Ilic, Gunter Schoof, Sergio Montenegro: **Implementation of Middleware Switch ASIC Processor**
- 4.16. George Suci, Octavian Fratu, Simona Halunga, Cristian George Cernat, Vlad Andrei Poenaru, Victor Suci: **Cloud Consulting: ERP and Communication Application Integration in Open Source Cloud Systems**
- 4.17. Romans Taranovs, Valery Zagursky: **Medium Access Protocol for Efficient Communication in Clustered Wireless Sensor Networks**
- 4.18. Dragana Krstić, Petar Nikolić, Zoran Milić, Dragan Radenković, Mihajlo Stefanović: **Bit Error Rate of MRC Receiver for BPSK Signals in the Presence of G Fading**

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|--|-----------------------|------------------------------|--------------|-----------------|
| | СПС 4 | Четвртак, 24.11.2011. | 08:30 | сала 3/0 |
| | CS 4 | Thursday, 24.11.2011. | 08:30 | Hall 3/0 |
| | Председавајући | Tomas Kratochvil | | |
| | Chairperson | | | |
- 4.19. Milos Krstic, Rolf Kraemer, Eckhard Grass, Markus Petri: **Gigabit Wireless Communications in the 60 GHz ISM Band - a System Perspective (Invited presentation)**
- 4.20. Tomas Kratochvil, Ladislav Polak: **Comparison of DVB-T/H and DVB-T2 in Mobile, Portable and Fixed TV Channels**
- 4.21. Milan Z. Bjelica, Bojan Mrazovac, Nikola Teslić, Stevan Perišić, Roman Pavlović: **Context-Aware Interactivity Enhancements for Modern Television Receivers**
- 4.22. Ali Alsahlany, Haider AlSabbagh, Saod Aloseyab: **Multipacket Reception for Multiple Antenna Systems in IEEE802.11n-over- Fiber Network**
- 4.23. Lucian Andrei Perișoară: **Performance Comparison of Different Space-Time Block Codes for MIMO Systems**
- 4.24. Vlad Marsic, Meiling Zhu, Stewart Williams: **Design and implementation of a wireless sensor communication system with low power consumption for energy harvesting technology**

СЕКЦИЈА 5: ОБРАДА СИГНАЈА (ОС)

SECTION 5: SIGNAL PROCESSING (SP)

- | | | | | |
|--|--------------------------------------|-------------------------------------|--------------|-----------------|
| | ОС 1 | Уторак, 22.11.2011. | 14:30 | сала 6/1 |
| | SP 1 | Tuesday, 22.11.2011. | 14:30 | Hall 6/1 |
| | Председавајући | Oleg Bisikalo, Ana Gavrovska | | |
| | Chairpersons | | | |
| | Обрада слике/Image Processing | | | |
- 5.1. Oleg Bisikalo, Irina Kravchuk: **Formalization of semantic network of image constructions in electronic content**
- 5.2. Ana Gavrovska, Milorad Paskaš, Irini Reljin: **An Example of Wavelet Denoising using Lazy Transform and the Lifting Scheme**
- 5.3. Shahzad Memon, Nadarajah Manivannan, Wamadeva Balachandran: **Active Pore Detection for Liveness in Fingerprint Identification System**
- 5.4. Marijeta Slavković, Milorad Paskaš, Dubravka Jevtić, Branimir Reljin, Nikola Reljin: **Automatizovani algoritam za obradu FISH slika**
- 5.5. Aleksandra Pavlović, Žarko Barbarić, Vera Nikolić: **Analiza termovizijskih slika u softverskom paketu Thermography Studio**
- 5.6. Elizabeta Ilievska, Zoran Ivanovski: **Customized k-space trajectory for Compressed Sensing MRI**
- 5.7. Slavche Pejovski, Venceslav Kafedziski: **Wavelet image decomposition based variable density compressive sampling in MRI**
- | | | | | |
|--|--|---------------------------------|--------------|-----------------|
| | ОС 2 | Среда, 23.11.2011. | 08:30 | сала 6/1 |
| | SP 2 | Wednesday, 23.11.2011. | 08:30 | Hall 6/1 |
| | Председавајући | Vlado Delić, Zoran Perić | | |
| | Chairpersons | | | |
| | Обрада аудио сигнала/Audio Processing | | | |
- 5.8. Jelena Nikolić, Zoran Perić: **Tehnike konstrukcije deo po deo uniformnih skalarnih kvantizera za Laplasov izvor i primena u kodovanju govornog signala (Invited paper)**
- 5.9. Lazar Velimirović, Zoran Perić, Jelena Nikolić: **Jednostavno poboljšanje uniformnog kvantizera Gausovog izvora**
- 5.10. Nikša Jakovljević, Branislav Popović, Marko Janev, Vlado Delić: **Uticaj osnovne učestanosti na estimaciju MFCC koeficijenata**
- 5.11. Dragiša Mišković, Milana Bojanić, Nikša Jakovljević, Vlado Delić: **Estimacija pouzdanosti u prepoznavanju govora**
- 5.12. Stevan Ostrogonac, Milan Sečujski: **DRT i SUS testovi razumljivosti sintetizovanog govora na srpskom jeziku**
- 5.13. Đorđe Grozdić, Slobodan Jovičić, Mirjana Rajković: **Uticaj kvaliteta glasa na verbalnu ekspresiju emocija**
- 5.14. Nemanja Majstorović, Milenko Andrić, Davorin Mikluc: **Entropy-based algorithm for speech recognition in noisy environment**
- 5.15. Branislav Gerazov, Zoran Ivanovski: **Text Normalization and Phonetic Analysis Modules for Macedonian TTS Synthesis**

OC 3 Среда, 23.11.2011. 14:30 сала 6/1
SP 3 Wednesday, 23.11.2011. 14:30 Hall 6/1
Председавајући Venceslav Kafedziski, Djordje Babić
Chairpersons

Обрада сигнала/Signal Processing

- 5.16. Piroška Stanić Molcer: **Integrated Component of Digital Signal Processing Education System Implemented in Network Environment (Invited paper)**
- 5.17. Platon Sovilj, Duško Davidović, Željko Beljić, Vanja Ković: **Measurement and processing of event-related brain potential records**
- 5.18. Stevan Jokić, Maja Pokrić, Srđan Krčo, Vlado Delić, Ivan Jokić: **Aplikacija za praćenje pokreta i EKG signala na mobilnim uređajima sa Android OS**
- 5.19. Vladimír Šebesta, Roman Maršálek: **Error of the signal cyclic component period estimation using the AR model**
- 5.20. Venceslav Kafedziski, Toni Stojanovski: **Compressive Sampling with Chaotic Dynamical Systems**
- 5.21. Ashraf Khalaf, Mahmoud Ghany, H. H. Eltamaly: **Neural Against Linear Filter and Enhanced Against Traditional Algorithm in Communication Channel Equalization Problem**
- 5.22. Jovana Božić, Selena Vukotić, Đorđe Babić: **Predikcija kursa dinara pomoću wavelet-a i neuralne mreže**

OC 4 Среда, 23.11.2011. 17:00 сала 6/1
SP 4 Wednesday, 23.11.2011. 17:00 Hall 6/1
Председавајући Lazar Saranovac, Srdjan Stanković (CG)
Chairpersons

Хардвер за обраду сигнала/Hardware for Signal Processing

- 5.23. Veljko Papić, Željko Đurović, Goran Kvašček, Predrag Tadić: **A New Approach to Doppler Filter Adaptation in Radar Systems (Invited paper)**
- 5.24. Srđan Lale, Slobodan Lubura, Milomir Šoja, Marko Ikić: **Analysis of single-phase PLL with novel two-phase generator for grid-connected converters**
- 5.25. Srđan Brkić, Dragomir El Mezeni, Lazar Saranovac, Jelena Popović Božović: **FPGA dizajn kanalizatora spektra na bazi polifazne banke filtara**
- 5.26. Zdravko Panjkov, Svetozar Draskovic, Zoltan Pele, Mihajlo Katona: **Porting, validation and verification of Dolby Pro Logic II decoder**
- 5.27. Slobodan Djukanović, Marko Simeunović, Igor Djurović: **Estimation Refinement Techniques for the Cubic Phase Function**
- 5.28. Irena Orović, Branka Jokanović, Srdjan Stanković: **Hardverska realizacija vremensko-frekvencijskog predstavljanja signala koje eliminiše uticaj unakrsnih članova**
- 5.29. Irena Orović, Andjela Draganić, Srdjan Stanković: **Dekompozicija na sopstvene vrijednosti i sopstvene vektore bazirana na S-metodu za analizu komunikacionih signala**
- 5.30. Aleksandar Tomić: **Proračun verovatnoće detekcije novog hidroakustičkog sistema za merenje hidroakustičkih signatura plovnih objekata**

OC 5 Четвртак, 24.11.2011. 08:30 сала 6/1
SP 5 Thursday, 24.11.2011. 08:30 Hall 6/1
Председавајући Guergana Molova, Igor Djurović
Chairpersons

Филтри/Filters

- 5.31. Jelena Čertić: **Efikasne strukture digitalnih filtara zasnovane na svepropusnim filtarskim sekcijama (Invited paper)**
- 5.32. Guergana Mollova: **Least-Squares Error Estimation of Fullband Finite Impulse Response Differentiators**
- 5.33. Alen Pelinković, Đuro Stojanović, Igor Djurović: **Application of the Affine Fourier Transform based Multicarrier System in Aeronautical Satellite Channels**
- 5.34. Milenko Ćirić, Vojkan Radonjić: **Realizacija višestepenih FIR filtara u Pipelining-Interleaving tehnici**
- 5.35. Žarko Zečević, Božo Krstajić: **Povećanje brzine konvergencije FxLMS algoritma u uslovima bijelog šuma**
- 5.36. Irena Orović, Srdjan Stanković, Viktor Sučić: **Usrednjena vremensko-frekvencijska raspodjela energije za analizu signala u šumu**
- 5.37. Ivan Kitanovski, Gjorgji Madzarov, Dejan Gjorgjevikj: **Local hybrid SVM classifier**
- 5.38. Vlastimir Pavlović, Maja Lutovac, Miroslav Lutovac: **Uticaj efekta konačne tačnosti polova na vrednosti elemenata LC lestvičastih filtara**

OC 6 Четвртак, 24.11.2011. 11:00 сала 6/1

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| | SP 6 | Thursday, 24.11.2011. | 11:00 | Hall 6/1 |
| | Председавајући | Francesco De Leonardis, Miroslav Lutovac | | |
| | Chairpersons | | | |
| | Обрада сигнала у телекомуникацијама/Signal Processing in Telecommunications | | | |
- 5.39. Benedetto Troia, Vittorio M. N. Passaro, Francesco De Leonardis: **High Performance Optical Sensing in Group IV Slot Optical Waveguides at 2.883 μm**
- 5.40. Božimir Mišković, Miroslav Lutovac: **Simulacija OFDM predajnika DVB-T2 sistema**
- 5.41. Ivan Pokrajac, Predrag Okiljević, Desimir Vučić: **Projektovanje radio-goniometra za VVF/UVF frekvencijski opseg**
- 5.42. Predrag Okiljević, Ivan Pokrajac, Desimir Vučić: **Ciklostacionarna analiza UWB IR signala sa DS-PAM**
- 5.43. Desimir Vučićević, Ivan Pokrajac, Predrag Okiljević: **Detekcija i klasifikacija signala na bazi cikličnih obeležja**
- 5.44. Uldis Grunde, Modris Greitans: **Advanced Level-Crossing Sampling Method**
- 5.45. Una Kisić, Branislav Mišić, Srđan Milovanov, Siniša Marinković, Robert Benčik: **IdentiCARPlus – Software System for Traffic Control**
- 5.46. Ahmed Khobaiz, Milan Milosavljević: **Equalization of Non-linear Time Variant Communication Channels in Presence of Impulsive Noise**

СЕКЦИЈА 6: ОПТИЧКЕ ТЕЛЕКОМУНИКАЦИЈЕ (ОТ) SECTION 6: OPTICAL COMMUNICATIONS (OC)

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|--|-----------------------|-----------------------------|--------------|-----------------|
| | ОТ 1 | Уторак, 22.11.2011. | 17:00 | сала 6/1 |
| | ОС 1 | Tuesday, 22.11.2011. | 17:00 | Hall 6/1 |
| | Председавајући | Petar Matavulj | | |
| | Chairperson | | | |
- 6.1. Bogdan Ušćumlić, Annie Gravey, Philippe Gravey, Michel Morvan, Isabella Cerutti: **Network Planning and Traffic Engineering in ECOFRAME Optical Packet Ring (Invited paper)**
- 6.2. Oskars Ozoliņš, Vjačeslavs Bobrovs, Ģirts Ivanovs: **Efficient Bandwidth of 50 GHz Fiber Bragg Grating for New-Generation Optical Access**
- 6.3. Benedetto Troia, Vittorio M. N. Passaro, Francesco De Leonardis: **Design of Optical Filters Based on Multiple Ring Resonators Operating in C and L Bands**
- 6.4. Constantin Gheorghe, Paul Şchiopu: **Upgrading a mobile network from 3G to WOC or LTE 2.6**
- 6.5. Constantin Gheorghe, Paul Şchiopu: **Upgrading a mobile network from 3G to WOC or LTE 800**
- 6.6. Amela Žgalj, Edvin Skalj, Esad Kadušić: **Pulse Width as an Influencing Factor in Optical Time Domain Reflectometry Measurements**
- 6.7. Saša Kitanović, Zoran Veličković, Dejan Blagojević, Predrag Simonović: **Alternativna tehnika zatapanja spoja optickog vlakna na splajseru FSM 50S**
- 6.8. Angelina Totović, Jasna Crnjanski, Marko Krstić, Dejan Gvozdić: **Application of Multi-Quantum Well RSOA in Remodulation of 100 Gb/s Downstream RZ Signal for 10 Gb/s Upstream Transmission**
- 6.9. Petar Matavulj, Milan Blanuša: **Tehno-ekonomska analiza GPON i FTTC/VDSL mreža za pristup**
- 6.10. Olga Jakšić: **Teaching optics: preuniversity level**

СЕКЦИЈА 7: ПРИМЕЊЕНА ЕЛЕКТРОНИКА (ПЕЛ) SECTION 7: APPLIED ELECTRONICS (AEL)

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|--|-----------------------|-------------------------------|--------------|------------------|
| | ПЕЛ 1 | Среда, 23.11.2011. | 11:00 | сала 9a/0 |
| | AEL 1 | Wednesday, 23.11.2011. | 11:00 | Hall 9a/0 |
| | Председавајући | Vujo Drndarević | | |
| | Chairperson | | | |
- 7.1. Vladimir Rajović, Nenad Jovičić: **The Capacitive Divider Power Supply and Its Design Problem**
- 7.2. Radoje Jevtić, Milan Blagojević: **Linear fire detection with distance determination using coaxial cables**
- 7.3. Ugljesa Jovanović, Nemanja Jovanović, Dragiša Milovanović: **Bezicni sistem za merenje temperature**
- 7.4. Ilija Radovanović, Nikola Rajović, Vladimir Rajović, Nenad Jovičić: **Signal Acquisition and Processing in Magnetic Defectoscopy of Steal Wire Ropes**
- 7.5. Miloš Bjelić, Milan Bjelica: **Implementacija izrazito uskopojasnog filtra**
- 7.6. Dragi Dujković, Lenkica Grubišić, Snežana Dedić Nešić, Irini Reljin: **Proizvodnja jedinki kristala kvarca kompenzovanih na uticaje mehaničkih i termičkih naprezanja**

- 7.7. Ali Reza Hazeri: **An ultra wideband CMOS low noise amplifier with low supply voltage and low power**
 7.8. Hadi Goodarzi Dehri, Javad Haddadnia: **A 6.36 mW CMOS Ultra-Wideband (3.1-10.6-GHz) LNA in 0.18- μ m for UWB Pulse-Radio Systems**
 7.18. Milan Z. Bjelica, Aleksandar Živković, Dejan Stefanović, Dragan Narančić, Vladimir Vojnović: **Procena primenljivosti i uporedna analiza skript jezika za opis ponašanja sistema kućne automatike**

ПЕЛ 2	Среда, 23.11.2011.	14:30	сала 3/1
AEL 2	Wednesday, 23.11.2011.	14:30	Hall 3/1
Председавајући	Milan Prokin		
Chairperson			

- 7.9. Dragana Prokin, Milan Prokin: **Fast Bit-Pipeline Rank Filter (Invited paper)**
 7.10. Milan Prokin, Dragana Prokin: **First Generation of Turnover Control Devices**
 7.11. Dejan Barać: **Primer hardverskog okruženja za GSM/GPRS modul TC65(i)**
 7.12. Dejan Barać: **Prilog testiranju fiskalnih modula kod fiskalnih registar-kasa**
 7.13. Radosvet Arnaudov, Radoslav Borisov: **S-Parameters-Based Extraction of Effective Dielectric Constant in Transmission Lines on Multilayer Substrates**
 7.14. Mohammad Hossein Refan, Hossein Valizadeh: **Redundant GPS Time Synchronization Boards for Computer Networks**
 7.15. Milan Vukajlović, Srdjan Tadić, Dejan Dramićanin: **The Practical Design of In-vehicle Telematics Device with GPS and MEMS Accelerometers**

ПЕЛ 3	Среда, 23.11.2011.	17:00	сала 3/1
AEL 3	Wednesday, 23.11.2011.	17:00	Hall 3/1
Председавајући	Lazar Saranovac		
Chairperson			

- 7.16. Bogdan Rosandić, Ivan Popović: **Razvoj mikrokernela operativnog sistema za rad u realnom vremenu za primene kod sistema sa ograničenim performansama**
 7.17. Ivan Popović, Dragomir El Mezeni, Lazar Saranovac: **Multiprocesorska arhitektura modula pametnog pretvarača**
 7.19. Christopher Schäfer, Mirjana Stojilović, Lazar Saranovac: **Analysis of Impact of FPGA Routing Architecture Parameters on Area and Delay**
 7.20. Nikola Miladinović, Jelena Popović-Božović: **FPGA realizacija sistolične i paralelne arhitekture Mongomeri množača**
 7.21. Boris Radin, Dušan Savić, Nikola Teslić, Saša Vukosavljev, Ištvan Papp: **Jedno rešenje svetlosnog izvora na bazi LED sa radio-upravljanjem realizovanim ZigBee-kompatibilnim mikrokontrolerom CC2530**
 7.22. Milan Mitrović, Dušan Milosavljević, Vukašin Nuhijević, Dejan Kojić, Nikola Smiljković: **Realizacija bežičnog upravljanja svetlosnim efektima sa TV prijemnika**
 7.23. Ana Joža, Jovan Bajić, Dragan Stupar, Miloš Slankamenac, Miodrag Jelić, Miloš Živanov: **Korišćenje optičkih vlakana za detekciju UV zračenja**

СЕКЦИЈА 8: ПРИМЕЊЕНА ЕЛЕКТРОМАГНЕТИКА (ПЕМ)

SECTION 8: APPLIED ELECTROMAGNETICS (AEM)

ПЕМ 1	Среда, 23.11.2011.	11:00	сала 3/0
AEM 1	Wednesday, 23.11.2011.	11:00	Hall 3/0
Председавајући	Kurt Richter, Antonije Đorđević		
Chairpersons			

Антене/Antennas

- 8.1. Kurt Richter: **Basic research - Who is financing ? (Invited paper)**
 8.2. Antonije Đorđević, Marija Nikolić: **Eksperimentalno modelovanje dvodimenzionih TM elektromagnetskih sistema**
 8.3. Mehmet Abbak, Sasan Ahdi Rezaeieh, Ibrahim Akduman: **Broad-Band Three Layer Suspended Plate Antenna**
 8.4. Sasan Ahdi Rezaeieh, Mehmet Abbak, Ibrahim Akduman: **A Circularly Polarized Square Slot Antenna for Wireless Applications**
 8.5. Mirjana Stojilović, Nenad Antonić, Antonije Đorđević: **Design of Antenna System for Short-Range Wireless Sensor Network**

- 8.6. Bahadır Yildirim: **Dielectric Loaded Compact WLAN/WCDMA Antenna with Loop and Monopole Elements**
- 8.7. Nenad Munić, Antonije Đorđević, Aleksandar Kovačević: **Modelovanje Faradejevog kaveza za ispitivanje elektromagnetske kompatibilnosti**
- 8.8. Vladimir Petrović, Aleksandra Krneta: **Modelovanje prostiranja EM talasa u okolini ljudskog tela pomoću softvera WIPL-D**
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|--------------------------------|------------------------------------|-------|----------|
| PEM 2 | Среда, 23.11.2011. | 17:00 | сала 3/0 |
| AEM 2 | Wednesday, 23.11.2011. | 17:00 | Hall 3/0 |
| Председавајући
Chairpersons | Christopher Tucker, Milka Potrebić | | |
- Микроталаси/*Microwaves*
- 8.9. Ali Hashemi: **Determination of Dielectric Resonator Properties Using Multimode Contour Integral Method**
- 8.10. Christopher Tucker: **Magnetic Resonant Modes in a Wireless-Powered Circuit**
- 8.11. Serge Yerin, Anatoliy Gridin, Peter Tokarsky: **Phase shifter for antenna array of decameter range radio telescope**
- 8.12. Goran Radosavljević, Andrea Marić, Ljiljana Živanov, Walter Smetana: **Realization of high quality RF inductors using LTCC technology**
- 8.13. Furkan Tunc, Can Ulker, Ahmet Mungan, Osman Ceylan, Bulent Hasan Yagci: **Triplexer Design with Hairpin Structure**
- 8.14. Nikola Bajić, Milka Potrebić, Dejan Tošić: **Minijaturizacija mikrotalasnih filtara korišćenjem višeslojne tehnike**
- 8.15. Nataša Timko, Milka Potrebić, Vladimir Petrović: **Minijaturizacija planarnih mikrotrakastih filtara sa spregnutim rezonatorima**
- 8.16. Nebojsa Dončov, Biljana Stošić, Tatjana Asenov, Bratislav Milovanović: **Extended Foster Approach for Equivalent Circuit Synthesis of Lossy Microwave Circuits**
- | | | | |
|--------------------------------|------------------------------|-------|----------|
| PEM 3 | Четвртак, 24.11.2011. | 11:00 | сала 3/0 |
| AEM 3 | Thursday, 24.11.2011. | 11:00 | Hall 3/0 |
| Председавајући
Chairpersons | Kaloyan Zlatkov, Vesna Javor | | |
- Електромагнетика/*Electromagnetics*
- 8.17. Sanja Manić, Slobodan Savić, Milan Ilić, Branislav Notaroš: **Combining Finite Element Method and Fourier Transform to Analyze Waveguide Transients**
- 8.18. Saša Ilić, Mirjana Perić, Slavoljub Aleksić, Nebojša Raičević: **Quasi TEM Analysis of Symmetrically Coupled Strip Line using New Hybrid Boundary Element Method**
- 8.19. Marija Agatonović, Zlatica Marinković, Vera Marković: **Modelovanje mikrotalasnih piramidalnih apsorbera primenom veštačkih neuronskih mreža**
- 8.20. Tabara Octavian: **Hysteresis modeling in electronics**
- 8.21. Božo Ilić, Živoslav Adamović, Branko Savić, Nenad Stanković: **Opasnosti od lutajućih struja po informaciono komunikacione tehnologije u električnim instalacijama sa TN-C-S sistemom razvoda**
- 8.22. Milan Paripović: **Instalacija uređaja za zaštitu od prenapona u električnim instalacijama**
- 8.23. Kaloyan Zlatkov, Plamen Dankov: **Detection of Parasitic Radiation, High-Altitude Fields, Crosstalk and Grounding Inefficiency in the Antenna Feed Lines by Near-Field Scanning**
- 8.24. Vesna Javor: **Lightning magnetic field of a negative first stroke at perfectly conducting ground**

СЕКЦИЈА 9: МУЛТИМЕДИЈА (ММ) *SECTION 9: MULTIMEDIA (MM)*

- | | | | |
|--------------------------------|---------------------------|-------|-----------|
| MM 1 | Среда, 23.11.2011. | 08:30 | сала 15/1 |
| MM 1 | Wednesday, 23.11.2011. | 08:30 | Hall 15/1 |
| Председавајући
Chairpersons | Miomir Mijić, Miljko Erić | | |
- 9.1. Miljko Erić: **Some Research Challenges of Acoustic Camera**
- 9.2. Miomir Mijić, Draško Mašović, Dragana Šumarac Pavlović, Mirjana Adnađević: **Funkcionalni model planarnog mikrofonskog niza s jeftinim komercijalnim mikrofonomima**
- 9.3. Draško Mašović, Mirjana Adnađević: **Experimental verification of near-field beamforming using low-cost microphone array**

- 9.4. Primož Lipar, Jurij Prezelj, Mirko Čudina: **Algorithm for Acoustic Camera with post processing analysis**
 9.5. Jurij Prezelj, Primož Lipar, Aleš Belšak, Mirko Čudina: **Measurements of Sound Pressure in a Very Near Field**
 9.6. Milan Mišković, Miljko Erić, Milan Stanojević, Marija Milosavljević, Zoran Mihailović: **Eksperimentalni rezultati procene lokacije akustičkog izvora na otvorenom prostoru**
 9.7. Dragan Ristić, Milan Pavlović: **Detekcija koherentnih refleksija u početnom delu impulsnog odziva primenom multifraktala**
 9.8. Dubravka Jevtić, Milorad Paskaš: **Application of Katz Algorithm for Fractal Dimension in Analysis of Room Impulse Response**
 9.9. Dejan Ćirić, Aleksandar Pantić: **Izdvajanje distorzionih produkata pri merenju impulsnog odziva prostorije MLS metodom**

MM 2 **Среда, 23.11.2011.** **11:00** **сала 15/1**
MM 2 **Wednesday, 23.11.2011.** **11:00** **Hall 15/1**
Председавајући **Slobodan Jovičić, Darko Pekar**
Chairpersons

- 9.10. Dušica Lukić, Slobodan Jovičić, Silvana Punišić: **Percepcija distorzije trajanja glasova /š, č, ž, dž, c, r, l/**
 9.11. Milan Vojnović, Silvana Punišić: **Atipičan izgovor frikativa /š/ kod dece**
 9.12. Milan Vojnović, Miško Subotić: **QuickSIN test za decu**
 9.13. Nikola Jovanović, Slobodan Jovičić: **Uticaj načina upotrebe mobilnog telefona na formante srpskih vokala**
 9.14. Sonja Krstić, Dragan Drinčić, Mirko Milošević: **Dideribon: konstrukcija, štimovanje i analiza frekvencijskog spektra odsviranih tonova**
 9.15. Goran Ferenc: **Statističke osobine muzičkih signala pri različitim brzinama sviranja instrumenata**
 9.16. Dragan Drinčić, Dragan Novković, Sonja Krstić, Dane Petković: **Uticaj načina ugradnje na karakteristike DM zvučnika**
 9.17. Miroslav Malko, Jelena Kovacevic, Robert Peckai-Kovac, Marko Gajic, Marija Jovanovic: **Implementation of digital audio effects for electric guitar on DSP platform**
 9.18. Marko Jelenković, Dejan Ćirić, Marko Ličanin, Jelena Zdravković, Ana Đorđević: **Realizacija digitalnih audio efekata na DSP razvojnom okruženju**
 9.19. Mirjana Adnađević, Draško Mašović, Miomir Mijić, Dragana Šumarac Pavlović: **The use of emergence descriptors for noise in dwellings evaluation**

MM 3 **Среда, 23.11.2011.** **14:30** **сала 15/1**
MM 3 **Wednesday, 23.11.2011.** **14:30** **Hall 15/1**
Председавајући **Aleksandar Sugaris, Dejan Ćirić**
Chairpersons

- 9.20. Mirjana Mihajlović, Dejan Todorović: **Normalizacija glasnosti programskog materijala**
 9.21. Marko Gajic, Jelena Kovacevic, Miodrag Djukic, Robert Peckai-Kovac: **Using a Simple Algorithm in SPP for Audio Quality Improvement Checkout**
 9.22. Miodrag Ćulum, Ivan Rešetar, Dragan Cuca, Zoran Marčeta: **Jedno rešenje arhitekture audio/video grebera za potrebe automatskog testiranja set top boksova**
 9.23. Dušan Marković, Dejan Jakšić: **Uticaj modela prenosnog puta na prijem digitalnog TV signala u uslovima mobilnog prijema**
 9.24. Andreja Samčović: **Prikaz i poređenje video formata za trodimenzionalnu televiziju naredne generacije**
 9.25. Aleksandar Spasic, Dragan Jankovic: **One Model of Stereoscopic 3D TV Content Life Cycle and Production Flow**
 9.26. Bata Vasić, Vlastimir Pavlović: **Efekti zakrivljenosti regiona geometrije 3D modela na simplifikaciju topološke strukture**

MM 4 **Среда, 23.11.2011.** **17:00** **сала 15/1**
MM 4 **Wednesday, 23.11.2011.** **17:00** **Hall 15/1**
Председавајући **Nikola Teslić, Ana Gavrovska**
Chairpersons

- 9.27. Đorđe Golubović, Goran Miljković, Svetozar Miučin, Zvonimir Kaprocki, Vladimir Velisavljev: **WebGL implementation in WebKit based web browser on Android platform**
 9.28. Darko Lulić, Zoran Marčeta, Nikola Vranić, Vladimir Zlokolica, Miodrag Temerinac: **Procena karakteristika sistema za detekciju zamrzavanja slike u realnom vremenu**

- 9.29. Sonja Vojnović, Srđan Drča, Dako Banika, Vukota Peković, Vladimir Marinković: **Verifikacija funkcionalnosti kontrole pristupa kernela u STB preko pop-up detekcije**
- 9.30. Damjan Kuburović, Vladimir Marinković, Živko Radonjić, Branislav Zuković, Zoran Marčeta: **Sistem za istovremenu verifikaciju funkcionalnosti više digitalnih prijemnika**
- 9.31. Ilija Lučić, Đorđe Simić, Tatjana Samardžić, Mile Davidović, Mihajlo Katona: **Jedno rešenje aplikacije za prikazivanje multimedijalnih reklama u okviru sistema za uslovni prikaz televizijskih kanala**
- 9.32. Nenad Šćepanović, Željko Lukač, Stanislav Očovaj, Petar Jovanović, Nemanja Lukić: **Optimizacija VP6 dekodera u realnom vremenu na MIPS32 arhitekturi**
- 9.33. Dejan Sretenović, Vukota Peković, Vladimir Zlokolica, Dragan Kukolj, Miodrag Temerinac: **Funkcionalni radni okvir za generisanje reprezentativnih transport streamova za evaluaciju sistema za ocenu kvaliteta video sekvenci**
- 9.34. Marko Nikolić, Milan Oklobdžija, Željko Stojković: **Unapređeni mrežni grafički klijent u distribuiranim multimedijalnim sistemima**
- 9.35. Lazar Karbunar, Milan Prokin: **Power and Cost Efficient IPTV Systems**

MM 5	Четвртак, 24.11.2011.	11:00	сала 15/1
MM 5	Thursday, 24.11.2011.	11:00	Hall 15/1
Председавајући Chairpersons	Andreja Samčović, Zoran Miličević		

- 9.36. Zoran Miličević: **New approach to video coding performance improvement using H.264/AVC standard (Invited paper)**
- 9.37. Zoran Miličević, Zoran Bojković: **Subjektivna procena kvaliteta kodovanog videa kod H.264/AVC standarda**
- 9.38. Anca Loredana Ion: **Towards Improving Medical Image Diagnosis**
- 9.39. Hossam Fahmy, Salma Ghoneim: **PodBoard: Podcasting Braced Blended Learning Environment**
- 9.40. Bernardetta Saba, Cristian Perra, Daniele D. Giusto: **Image transmission over error-prone channels**
- 9.41. Aleksej Avramović: **Lossless Compression of Medical Images Based on Gradient Edge Detection**
- 9.42. Goran Zajić, Nenad Kojić, Branimir Reljin: **Pretraživanje baza slika na osnovu sadržaja**
- 9.43. Hossein Khalili, Mohsen Ashourian, Ali Hashemi: **Multiple Description Video Transmover UMTS mission**
- 9.44. Ion-Cosmin Dita, Marius Ottesteanu, Franz Quint: **Scanning Industrial Data Matrix Codes**

СЕКЦИЈА 10: СОФТВЕРСКИ АЛАТИ И АПЛИКАЦИЈЕ (САА) SECTION 10: SOFTWARE TOOLS AND APPLICATIONS (STA)

САА 1	Уторак, 22.11.2011.	14:30	сала 1b/0
STA 1	Tuesday, 22.11.2011.	14:30	Hall 1b/0
Председавајући Chairpersons	Slavko Marić, Jelena Kovačević		

- Базе података/Data Base Systems**
- 10.1. Slavko Marić, Goran Banjac, Aleksandar Damljanović, Siniša Jakovljević: **Uticaj nivoa izolacije transakcija na aplikativne performanse u sistemima sa bazama podataka**
- 10.2. Borivoje Milosević, Slobodan Obradović, Nenad Stojanović: **Razvojni studio za poslovno izveštavanje**
- 10.3. Borivoje Milosević, Slobodan Obradović: **Troškovi upita kod distribuiranih multimedijalnih baza podataka**
- 10.4. Toni Stojanovski, Ivan Velinov, Marko Vučković: **Scalability of data binding in ASP.NET web applications**
- 10.5. Selver Pepić, Milan Tasić: **MySQL pristup matričnim izračunavanjima**
- 10.6. Miljana Maksimović, Nataša Veljković, Leonid Stoimenov: **Platforme za otvorene podatke državne uprave**
- 10.7. Bogdan Brkić, Miroslav Čajić: **Preporuke za kriptoalgoritme i dužine ključeva PKI sistema**
- 10.8. Ivan Popović, Vlastimir Pavlović: **Efekti konačne širine impulsa na autokorelacione i kroskorelacione funkcije**
- 10.9. Janko Atanassov, Tatiana Atanasova: **Optimizing the management and control of apparel enterprise by information technologies**

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|--|-----------------------|---------------------------------------|--------------|------------------|
| | CAA 2 | Уторак, 22.11.2011. | 17:00 | сала 1b/0 |
| | STA 2 | Tuesday, 22.11.2011. | 17:00 | Hall 1b/0 |
| | Председавајући | Ilija Bašičević, Boško Nikolić | | |
| | Chairpersons | | | |
- 10.10. Vuk Batanović, Bojan Furlan, Boško Nikolić: **Softverski sistem za određivanje semantičke sličnosti kratkih tekstova na srpskom jeziku**
- 10.11. Ivan Arsić, Petar Rajković: **Prikaz tehnika za izračunavanje semantičke povezanosti pojmova koje koriste Vikipediju kao bazu znanja**
- 10.12. Rade Dragović, Miodrag Ivković, Bojan Perović, Đuro Klipa: **Dataveillance i data mining kao tehnološka podrška procesu istražnih radnji**
- 10.13. Pavle Kostić, Zorana Vasiljević, Siniša Pavlović, Ivica Milosavljević, Jelica Grujić Milanović, Suzana Blesić, Slađan Milanović: **Knowledge Management System for Clinical Decision Support - Application in Cardiology**
- 10.14. Vladimir Mladenović, Maja Lutovac, Miroslav Lutovac: **Automated Proving Properties of Expectation-Maximization Algorithm using Symbolic Tools**
- 10.15. Angelina Njeguš, Goran Milanov: **Kvalitativno poređenje agilnih i iterativnih metodologija razvoja softvera**
- 10.16. Simona Martiš, Lucia Rusu, Eniko Tolea: **A Solution for Improving Human Resource Management in Services Company**
- 10.17. Saša Mrdović, Alvin Huseinović: **Forensic Analysis of Encrypted Volumes Using Hibernation File**
- | | | | | |
|--|-----------------------|-----------------------------------|--------------|------------------|
| | CAA 3 | Среда, 23.11.2011. | 08:30 | сала 1b/0 |
| | STA 3 | Wednesday, 23.11.2011. | 08:30 | Hall 1b/0 |
| | Председавајући | Marija Punt, Bora Đorđević | | |
| | Chairpersons | | | |
- Препознавање знања/Knowledge Mining**
- 10.18. Željko Jovanović, Uroš Pešović, Siniša Randić, Dušan Marković, Ivan Popović: **SunSpot u servisno orjentisanim aplikacijama**
- 10.19. Goran Škondrić, Samim Konjicija: **System design for storage distributed system inside local network**
- 10.20. Lydia Kraus, Milan Starčević, Milan Oklobdžija, Željko Stojković: **Integrated Software Tools for Support of Wireless Sensor Network Applications**
- 10.21. Miloš Roganović, Dragan Stojanović: **Kontinualno nadgledanje tokova podataka o kretanju mobilnih objekata**
- 10.22. Tariq Jamil: **Automatic Attendance Recording System Using Mobile Telephone**
- 10.23. Tamara Tanasković, Miodrag Živković: **Aplikacija za praćenje aktivnosti mobilnih telefona u mobilnim mrežama - CellDetective**
- 10.24. Ivan Biševac, Milena Stanković, Siniša Ilić, Petar Milić, Stevan Radoičić: **Distribuirano programiranje korišćenjem JavaSpaces tehnologije**
- 10.25. Liljana Aleksovska - Stojkovska, Suzana Loskovska: **Methods for Deriving and Modeling Access Control Policies**
- 10.26. Ulfeta Marovac, Adela Crnišanin, Aleksandra Pavlović: **Analiza performansi SLIP algoritma kod krosbar komutatora**
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|--|-----------------------|--|--------------|------------------|
| | CAA 4 | Среда, 23.11.2011. | 11:00 | сала 1b/0 |
| | STA 4 | Wednesday, 23.11.2011. | 11:00 | Hall 1b/0 |
| | Председавајући | Nenad Grbanović, Ljubomir Lazić | | |
| | Chairpersons | | | |
- Мобилни уређаји/Mobile Devices**
- 10.27. Dušan Marković, Željko Jovanović, Uroš Pešović, Siniša Randić: **Primena Test-Driven Development (TDD) tehnike u razvoju aplikacija i servisa pametnog pretvarača**
- 10.28. Ejub Kajan, Ljubomir Lazić, Zakaria Maamar: **Software Engineering Framework for Digital Service-oriented EcoSystem**
- 10.29. Aleksandar Minja, Vojin Šenk: **Sistem za navigaciju vatrogasaca u zatvorenom prostoru**
- 10.30. Ivan Považan, Miroslav Popović, Miodrag Đukić, Marko Krnjetin: **Merenje kvalitativnih karakteristika asemblerskog koda na namenskim platformama**
- 10.31. Slobodan Prljević, Nenad Četić, Jelena Kovacević, Ivan Letvenčuk: **Using model translation for software backward compatibility in DSP SDK development**
- 10.32. Ilija Stanišević, Slobodan Obradović, Marina Janković: **Izbor modela životnog ciklusa razvoja softvera**
- 10.33. Dragan Randjelović, Brankica Popović: **Visual analytics tools and theirs application in social networks analysis**
- 10.34. Dušan Vujović, Dako Banika, Jan Zloh, Živko Radonjić, Nikola Vranić: **Generalizacija sistema za automatsko testiranje STB - Starter Kit**

- 10.35. Jasmina Novakovic: **Bagging Algorithm for Pixel Classification**
- | | | | |
|--|---------------------------------|--------------|------------------|
| CAA 5 | Среда, 23.11.2011. | 14:30 | сала 1b/0 |
| STA 5 | Wednesday, 23.11.2011. | 14:30 | Hall 1b/0 |
| Председавајући | Dejan Simić, Dejan Tošić | | |
| Chairpersons | | | |
| Софтверски системи/Software Systems | | | |
- 10.36. Ivan Milenković, Vladan Pantović, Dušan Starčević, Miroslav Minović: **Multimodalni biometrijski sistem realizovan uz pomoć tehnologije otvorenog koda**
- 10.37. Marina Ilić, Dejan Tošić: **Softverska trodimenzionalna elektromagnetska komponenta asimetričnog sprežnjaka**
- 10.38. Nikola Bošković, Dejan Tošić, Milka Potrebić: **Modelovanje višeslojnih struktura programom WIPL-D AW Modeler**
- 10.39. Žarko Stanisavljević, Jelena Stanisavljević: **Softverski sistem za vizuelnu reprezentaciju Advanced Encryption Standard algoritma**
- 10.40. Seifedine Kadry: **New Generating Technique for Image Steganography**
- 10.41. Dušan Malbaški, Aleksandar Kupusinac: **Automatic Inference of Invariants in Objects with Variable Structure**
- 10.42. Aleksandar Kupusinac, Dušan Malbaški: **An Algorithm for the Automatic Verification of Inheritance**
- 10.43. Aleksandar Kupusinac, Dušan Malbaški: **General Aspects of the As Prescribed Analysis of Invariants in the Class**
- 10.44. Muguras Daniel Mocofan, Dan Vatca: **Testing Performance of Virtualization and Storage in a Single Appliance**
- | | | | |
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| CAA 6 | Среда, 23.11.2011. | 14:30 | сала 9a/0 |
| STA 6 | Wednesday, 23.11.2011. | 14:30 | Hall 9a/0 |
| Председавајући | Miroslav Lutovac, Branko Marović | | |
| Chairpersons | | | |
| Алгоритми/Algorithms | | | |
- 10.45. Dušan Šijakov, Dušan Živkov, Mile Davidović, Tihomir Anđelić, Aleksandar Anđelković: **Integracija Skype klijent aplikacije na Broadcom BCM3556 platformu**
- 10.46. Nikola Nikolić, Miroslav Popović, Tomislav Maruna, Goran Miljković: **Jedno rešenje DLNA medija plejer aplikacije na Android platformi**
- 10.47. Ivan Mamula, Dušan Živkov, Aleksandar Tomašević, Tihomir Anđelić, Mihajlo Jovanović: **Upravljanje TV uređajem putem Android aplikacije**
- 10.48. Miroslav Bako, Tomislav Maruna, Ilija Bašičević, Mario Radonjić, Boris Mlikota: **Jedno rešenje realizacije aplikacije namenjene digitalnom televizijskom prijemniku**
- 10.49. Maja Lutovac, Branko Marović, Miloš Micić: **Interaktivno podešavanje boja i providnosti medicinskih slika**
- 10.50. Milenko Borić Herget, Nemanja Obradović, Zorana Marasanov, Milan Savić: **Connecting Linux based Connected TV, Application implementation guidelines**
- 10.51. Dragan Knežević, Darko Pekar, Ivan Jokić, Vlado Delić: **AlfaNum server za sintezu govora**
- 10.52. Miroslav Čajić, Bogdan Brkić: **Praktična primjena steganografskih tehnika pri metodi zamjene pixela u slikama**
- 10.53. Jasmina Novakovic: **Speaker Identification in Smart Environments with Multilayer Perceptron**
- 10.54. Đorđe Petrović, Dragoslav Perić, Valentina Pavlović: **Pronalaženje geografskih lokacija iz fotografija**
- | | | | |
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| CAA 7 | Среда, 23.11.2011. | 17:00 | сала 1b/0 |
| STA 7 | Wednesday, 23.11.2011. | 17:00 | Hall 1b/0 |
| Председавајући | Milo Tomašević, Mladen Veinović | | |
| Chairpersons | | | |
| Мултимедија/Multimedia | | | |
- 10.55. Nikola Radin, Miroslav Popović: **Jedno rešenje komunikacione sprege i okvira za distribuiranu obradu elektroenergetskih funkcija**
- 10.56. Branislav Atlagić, Mihalj Šagi: **Proposal of a modern SCADA system architecture**
- 10.57. Tomas Fryza, Filip Adamec, Jitka Svobodova, Jan Prokopec: **Introduction to Combined Programming Model in Signal Processing Domain**
- 10.58. Igor Franc, Mladen Veinović: **Digitalna forenzika Cloud okruženja**
- 10.59. Dejan Dundjerski, Milo Tomašević: **Paralelizacija izbora najboljih ruta u BGP protokolu pomoću grafičkog procesora**
- 10.60. Marko Mišić, Milo Tomašević: **Sortiranje podataka korišćenjem grafičkih procesorskih jedinica**

- 10.61. Saša Stojanović, Dragan Bojić, Veljko Milutinović: **A comparative evaluation of open source tools for multicore and reconfigurable computing**
- 10.62. Petar Milić, Siniša Ilić, Ivan Biševac, Stevan Radoičić: **Virtualizacija u grid računarstvu**
- 10.63. Davor Zlotrg, Novica Nosović, Alvin Huseinović: **Utilizing CUDA Architecture for Improving Application Performance**
- 10.64. Agim Bajrami, Vladimir Zdraveski, Sonja Filiposka, Goran Piskachev, Dimitar Trajanov: **Performance modeling for a Web GRID architecture**

CAA 8 **Четвртак, 24.11.2011.** **08:30** сала 1b/0
STA 8 **Thursday, 24.11.2011.** **08:30** **Hall 1b/0**
Председавајући **Ranko Popović, Irina Branović**
Chairpersons

Дистрибуирано програмирање/Distributed Programming

- 10.65. Milos Đurić, Dražen Drašković: **Developing Critical Computer Literacy for Academic Subjects ‘English for Software Engineering’ and ‘Expert Systems’ at the Department of Software Engineering University of Belgrade**
- 10.66. Marko Vulić, Dušan Barać, Zorica Bogdanović: **CRM as a Cloud Service in E-education**
- 10.67. Aleksandar Milenković, Petar Rajković, Tatjana Stanković, Dragan Janković: **Upotreba medicinskog informacionog sistema MEDIS.NET za stručno usavršavanje**
- 10.68. Vladimir Vujović: **Primjena Project Management softvera u edukaciji**
- 10.69. Katarina Milanovic, Milos Milosavljevic, Dusan Vuckovic, Dragan Jankovic: **Videoconferencing in the Complex E-learning Scenario**
- 10.70. Samir Ribić, Samim Konjicija: **Evolution Strategy to Make an Objective Function in Two-Phase ILP Timetabling Solving**
- 10.71. Goran Madžarević, Nermin Sarajlić, Amir Hadžimehmedović: **Limiti informacijskih tehnologija pri analizi problema elektromagnetske kompatibilnosti u programskom paketu MATLAB**
- 10.72. Grazia D'Elia, Vincenzo Paciello: **Performance Evaluation of LabView on Linux Ubuntu and Window XP operating systems**

CAA 9 **Четвртак, 24.11.2011.** **11:00** сала 1b/0
STA 9 **Thursday, 24.11.2011.** **11:00** **Hall 1b/0**
Председавајући **Verica Vasiljević, Branislav Jevtović**
Chairpersons

Едукација/Education

- 10.73. Tuo Zhang, Ken Chen, Maamar Akerma, Jiwen Yan: **A User-Centric WS-Mediator framework for on-the-fly Web Service Composition**
- 10.74. Pero Škorput, Sadko Mandžuka, Zdenko Kljaić: **Primjena semantičkog Web-a u upravljanju zaštitom kritične infrastrukture**
- 10.75. Tamara Tanasković, Miodrag Živković: **Principi sigurnosti i zaštite web aplikacija**
- 10.76. Milan Randjelović, Dragan Randjelović, Milija Suknović: **An Approach to Intelligent Web-Based Multi-attribute Decision Support System**
- 10.77. Bojan Manasijević, Nenad Kojić: **Web aplikacija za praćenje i upravljanje mrežnim resursima**
- 10.78. Konstantin Aksyonov, Eugene Bykov, Elena Smolij, Ekaterina Sufrygina, Olga Aksyonova: **Decision support in the Area of Multi-service Telecommunication Networks Design**
- 10.79. Delyan Genkov: **An Algorithm and Software for Finding Proper Packet Size in an IPv6 Network Using Double Connection**
- 10.80. Delyan Genkov: **Using Network Monitoring Application for Detection of Anomalies in Surveillance Video**
- 10.81. Saeideh Alinezhad, Hossein Saidi: **Efficient Low Power Packet Classification by Grouping TCAM rules**

CAA 10 **Четвртак, 24.11.2011.** **11:00** сала 9a/0
STA 10 **Thursday, 24.11.2011.** **11:00** **Hall 9a/0**
Председавајући **Zaharije Radivojević, Miloš Cvetanović**
Chairpersons

ВЕБ апликације/Web Applications

- 10.82. Aleksandar Radisavljević, Miloš Cvetanović, Zaharije Radivojević: **Simulator elektronskih komponenti osetljivih na dodir**
- 10.83. Boris Spasojević, Miodrag Đukić, Zoran Zarić, Momčilo Krunic, Miroslav Popović: **Jedno rešenje pretraživanja prostora odluka pri sintezi koda u kompajleru**
- 10.84. Vuk Vranjković, Rastislav Struharik: **New architecture for SVM classifier and its application to telecommunication problems**
- 10.85. Ovidiu Pârvu, Andrei Bălan, Andrei Homorogan: **A Case for Online Real-Time Barcode Readers**

- 10.86. Milan Stankić, Nenad Četić, Marko Krnjetin, Lana Misirlis: **Graphical tool for generating linker configuration files in embedded systems**
- 10.87. Andrew Mor-Yaroslavtsev, Anatoly Levchenkov: **Rolling Stock Location Data Analysis Using an Immune Algorithm on an Intelligent Embedded Device**
- 10.88. Mircea Popa, Bogdan Suta: **A Solution for Tracking a Fleet of Vehicles**
- 10.89. Nebojša Milutinović, Branislav Zuković, Jan Zloh, Vukota Peković, Vladimir Zlokolica: **Novo rešenje za automatsku navigaciju bez grešaka kroz meni STB**

СЕКЦИЈА 11: СТУДЕНТСКА СЕКЦИЈА (С) SECTION 11: STUDENT PAPERS (S)

C 1	Среда, 23.11.2011.	08:30	сала 9a/0
S 1	Wednesday, 23.11.2011.	08:30	Hall 9a/0
Председавајући Chairperson	Jelena Čertić		

- 11.1. Milan Čabak: **Primjer monitoringa i upravljanja računarskom mrežom primjenom FLOW tehnologija**
- 11.2. Vladimir Ristanović: **Uticaj asinhronizma na audio-vizuelnu percepciju govora**
- 11.3. Miodrag Stanojević, Miloš Bjelić: **Digitalni štimer za gitaru**
- 11.4. Milan Jocevski: **Efikasna realizacija oktavne banke filtara**
- 11.5. Predrag Raković: **Estimacija putanja radarskih meta u okolini sa jakim šumom iz sekvence SAR signala**
- 11.6. Ana Anastasijević, Duška Čoja: **Audio Watermarking using Frequency Hopping Method**
- 11.7. Jovana Malešević: **Foot movement classification based on signals from accelerometer**

C 2	Среда, 23.11.2011.	17:00	сала 9a/0
S 2	Wednesday, 23.11.2011.	17:00	Hall 9a/0
Председавајући Chairperson	Nenad Milošević		

- 11.8. Milomir Petrović: **Naponski kontrolisan oscilator sa kontrolom izlazne snage u UHF opsegu**
- 11.9. Aleksandra Krneta: **Poređenje pet antena za WBAN primene**
- 11.10. Sasan Ahdi Rezaeieh: **Compact dual band CPW-fed monopole antenna with L-strips for WLAN/WiMax Applications**
- 11.11. Sowjanya Dundhigal: **A survey on FPGA based Embedded Design Vulnerabilities**
- 11.12. Aleksandr Timoshenko, Ksenia Lomovskaya: **A survey on effective techniques of designing high-performance 1-GHz bandwidth ADC**
- 11.13. Ozan Yurduseven: **PMD Fundamentals and A General Review of PMD Compensation Techniques**

C 3	Четвртак, 24.11.2011.	08:30	сала 9a/0
S 3	Thursday, 24.11.2011.	08:30	Hall 9a/0
Председавајући Chairperson	Milka Potrebić		

- 11.14. Marija Milovanović: **Primena potencijalne igre za dinamički pristup spektru u kognitivnom radiju**
- 11.15. Maja Gazdić, Strahinja Janković: **Određivanje pozicije mobilnog telefona u prostoriji upotrebom spektralnih analizatora**
- 11.16. Jovana Trivić: **Simulacija pristupne ravni u IEEE 802.11s mesh mrežama**
- 11.17. Siniša Suzić, Duška Sarić: **Upotreba retkih slučajnih linearnih kodova za prenos podataka u bežičnim senzorskim mrežama**
- 11.18. Jelena Milošević: **Implementation of LT codes on TelosB platform**
- 11.19. Milan Zahariev, Biserka Jankuloska: **Energy efficiency analysis in heterogeneous network deployments**
- 11.20. Sima Kazzemi: **Channel Estimation Based on Cubature Kalman Filtering and Unscented Kalman Filtering**