

“Doctor ETc 2014” Conference Program
Electronics and Telecommunications Faculty
“Politehnica” University Timișoara
30.05.2014

8:00-11:30 Room B129 – Session 1 Applied Electronics

Chairmen: prof.dr.ing. Dan LASCU, conf.dr.ing. Adrian POPOVICI

1. Bogdan Tanc, Valentyn Solomko, Daniel Kehrler, Ivan Bogdanov, *Design of Directional Coupler in Bulk-CMOS Switch Technology*
2. Gruia Samuel, *KSM Interactive Tool*
3. Bora Oana-Maria-Ana, *Computational calculation techniques for adaptive control of a car*
4. Tapalaga Andrei-Bogdan, *Sound warnings recognition on testing interior instrumentation in automotive industry*
5. Popa Daniel-Doru, *Automated test stand for automotive sensors*
6. Bebeslea Sterp Mihai, *Interactive module for testing the DUT with LabView*
7. Serban Victor, *Aplicatii ale telemetriei realizate prin placute IQRF in industria automobilelor*
8. Șoancă C. Alexandru-Adrian, *Rain Sensor function implemented in Multi Functional Camera for automotive driving assistant*
9. Halchin Raul, *Flexible Digital Platform for PSI5 sensors simulator*
10. Lupou Cristian-Marius, *Modeling in Matlab/Simulink the control of the vehicle's air conditioner compressor*
11. Dumitru Ionela-Andreea, *Power Characterization Of A VLIW Processor CORE*
12. Tudoran Cătălin, *Multifunctional Siren for Emergency Services*
13. Stingu Bogdan, *Automatic testing of dashboard instrumentation in commercial vehicles*
14. Ocheanu Lavinia, *Automated testing of safety systems in automotive*

8:30 - 12:30 Room B226 – Session 2 Communications

Chairmen: prof.dr.ing. Vasile GUI, conf.dr.ing. Eugen MARZA, sl.dr.ing. Ciprian DAVID

1. Gombos Diana, *Simulation of a chain of transmission using the UWB technique*
2. Nicolae Anca, *Automatic Contrast Enhancement of Low-Light Images Based on Local Statistics of Wavelet Coefficients*
3. Marin Anca-Veronica, *Performances of 3G mobile systems using multi-carriers*
4. Voichitoiu Oana Elena, *New Er:ZBLALiP fluoride glass micro disk resonators fabrication method for optical communication and signal processing applications*
5. Țeicu Camelia-Loredana, *Analysis of RF transceivers used in automotive*
6. Mita Gabriel, *A mobile network development for Het/Net and small cells*
7. Hantanu Bogdan Vasile, *Performance indicators of 3G equipments*
8. Sava G. S. Bogdan, *An idea of home network management system*
9. Remete Adrian-Nicolae, *An Analysis of Rayleigh Fading Channel Model*

10. Ciobanu Ecaterina, *Wireless Channel Estimation Techniques using Pilot Carries in OFDM Systems*
11. Diana Sipoteanu, *Standard of Data Mining CRISP-DM*
12. Baban Liviu, *Multiple Access Techniques System Capacity Comparisons*
13. Danila Horatiu-Mihai, *Improving the Channel Estimation Accuracy for Orthogonal Modulation Communication Systems Using Denoising*
14. Calmîc Alexei, *High PAPR problems in OFDM*
15. Prajescu Cristina, *Face detection in video sequence*
16. Ciovarnache Aurica, *Content base image retrieval using android application*
17. Duta Tudor Ciprian, *Content based and metadata retrieval in image database*
18. Botea Silvia, *Analysis of the antenna circuit and its influence on the wheel unit's RF performance*
19. Marițescu-Lungoea Manuel, *Low power devices powered by NFC field generated with smart phone*
20. Ciuraru Diana-Minodora, *SMS over LTE: services, architecture and protocols*
21. Ciobanu Alexandra-Mirela, *Mobility in LTE*
22. Domnicu Ancuta - Gabriela, *Brazilian Security Unit Emulator*
23. Berariu Alexandra, *Time-Frequency Localization as Mother Wavelets Selecting Criterion for Wavelet Modulation*
24. Tudic Andreea, *An Overview of Software Defined Radio Technologies*
25. Popa Razvan-Marius, *RAN Dimensioning for Wireless Networks*
26. Pușcaș Ioana-Elena, *Carrier Aggregation in LTE-Advanced*
27. Crina Cătălina-Marina, *Study on Coexistence between Long Term Evolution and Global System for Mobile Communication*
28. Gyenge Zsolt-Stefan, *Use of U-Slots in the Design of Dual-and Triple-Band Patch Antennas*

9:00 - 11:30 Room B321 – Session 3 Applications

1. Croitoru Andreea-Lavinia, *Computerized diagnosis testing of multimedia's car equipment*
2. Arimia Adrian, *Tehnologia de recunoaștere a fețelor FACEPRO*
3. Coroi Alexandru-Mihai, *Preamplifier with Tone Corrector Stereo with 5-Bands and Power Amplifier 2x 5W*
4. Rău Răzvan-Grigore, *Ajustarea VSWR-ului si Intermodulației la Antenele AIR (R20)*
5. Rocsoreanu Sorina, *Active electrodes for EEG*
6. Balan Catalin – Iulian, Buta Petru – Adrian, *Articol*
7. Vesa Vlad, *Developing applications for multiple mobile platforms*
8. Burche Loredana-Mariana, *Software testing strategies of airbags in automotive industry*
9. Popa Cristian-Daniel, *Implementation of a touch board*
10. Vlad Ramona-Maria, *Detection of audio time of recording using ENF information*
11. Zglavoc Lilia, *The role of video information in corporate communication*