

DEPARTMENT OF TELECOMMUNICATIONS

<http://www.ktl.elf.stuba.sk>

Head of Department

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I. STAFF

Professors	Prof. Ing. Ivan Baroňák, PhD., Prof. Ing. Peter Farkaš, DrSc., Prof. Ing. Pavol Podhradský, PhD., Prof. Ing. Jaroslav Polec, PhD.
Associate Professors	Doc. RNDr. Ing. Ivan Bajla, PhD., Doc. Ing. Ján Čuchran, PhD., PhD, Doc. Ing. Martin Medvecký, PhD., Doc. Ing. Miloš Orgoň, PhD., Doc. Ing. Jarmila Pavlovičová, PhD., Doc. Ing. Rastislav Róka, PhD., Doc. Ing. Gregor Rozinaj, PhD., Doc. Ing. Ján Zodl, PhD.
Assistant Professors	Ing. Jozef Čepko, PhD., Bc. Zuzana Dedíková, Ing. Jana Filanová, PhD., JUDr. Štefan Gyorgy, PhD., Ing. Michal Halás, PhD., Ing. Ján Hodál, Ing. Martin Hoffmann, Bc. Robert Chochelinski, Ing. Richard Chomist, PhD., Ing. Erik Chromý, PhD., Ing. Tomáš Janvars, Ing. Juraj Kačur, PhD., Ing. Matej Kavacký, PhD., Ing. Jozef Kenyeres, Bc. Anna Kondelová, Ing. Kvetoslava Kotuliaková, PhD., Ing. Juraj Mačica, Ing. Michal Poľaško, PhD., Bc. Martina Repová, Ing. Martin Rakús, PhD., Ing. Eva Samuhelová, Bc. Roman Šmahovský, Bc. Marek Solčanský, Bc. Anna Špilková, Ing. Matúš Turcsány, PhD., Ing. Radoslav Vargic, PhD., Ing. Juraj Vojtko, Ing. Ján Vrabec
Research Workers	Ing. Matúš Kováčik, Ing. Bakyt Kyrbashov, PhD., Ing. Miroslav Talanda, Ing. Martin Turi Nagy, PhD.
Technical Staff	Alexandra Šafariková (secretary), Mária Barbíriková, Michaela Bujková, Ing. Rozália Hudíková, Ing. Maroš Michalík
PhD. Students	Ing. Daniel Adamko, Ing. Mahmoud Aldaour, Ing. Tomáš Balogh, Ing. Marián Beniak, Ing. Peter Fízeľ, Ing. Viktor Janata, Ing. Marek Janeček, Ing. Martin Janošov, Ing. Stanislav Klúčik, Ing. Ján Körösi, Ing. Lenka Krulikovská, Ing. Peter Kubizniak, Ing. Ján Kulík, Ing. Juraj Londák, Ing. Denisa Luknárová, Ing. Michal Mardiak, Ing. Tibor Mišuth, Ing. Andrej Nesterovskij, Ing. Sandra Ondrušová, Ing. Michal Osadský, Ing. Andrej Páleník, Ing. Tomáš Páleník, Ing. Juraj Pavlovič, Ing. Ján Poctavek, Ing. Renata Rybárová, Ing. Juraj Taraba, Ing. Adam Tisovský, Ing. Róbert Tomek, Ing. Martin Wolf, Ing. Ahmad Yassine

II. EQUIPMENT

II.1 Teaching and Research Laboratories

- E-learning Multimedia Laboratory
- Laboratory of Data Transmission
- Laboratory of Digital Signal Processing
- Laboratory of Next Generation Networks
- Laboratory of Multimedia Communication
- Laboratory of Telecommunications Management Network

- Laboratory of Telecommunications Technology (Optical SDH, ATM, RWS)
- NGN Lab
- Audioacoustical Laboratory

II.2 Special Measuring Instruments and Computers

- Optical Network (SDH – STM, 155 Mbit/s)
- Optical Network (ATM – 155 Mbit/s)
- Multiplexor NORTEL S/DMS 1X (16 x 2,048 Mbit/s)
- Private Telecommunication System ALCATEL OXE
- Testing System for Delay in IP Networks: CISCO routers 1800 and SW iX Cheriot
- Micro Radio Wave System TeleStar 23 CL (4 x 2, 048 Mbit/s)
- FWA system (26 GHz) - VoIP via SANET
- FWA system (3,5 GHz) - VoIP and High Speed Internet via SANET
- NGN platform for Testbeds and Interconnects (Fokus IMS including HSS, Sitronics HSS, Mobicents AS, PACTOLUS AS)
ŽU Žilina, TU Košice)
- Telecommunications Videoconference Systems for ISDN (3 x PictureTel, 2 x I VIEW)
- Measuring set Wandel and Goltermann IBT 10 (for ISDN interface S0 and U)
- Siemens Node Integrator – Software for Simulation of TMN
- COSSAP (Software for simulation of telecommunication systems)
- Measuring set Siemens - Carrier Frequency Level Test (Set W2008-K/D2008-K)
- Logic Analyzer Philips PM 3570
- Cluster composed of 6 PC, aggregate 10,6 GHz
- Telecommunications Instructional Teaching Modelling System TIMS-301
- Spectral analyzer HP 3589A
- Laboratory NGN PABX OXO Communication Server
- CAN analyzer CANLAB
- IQ Kiosk

III. TEACHING

III.1 Undergraduate Study (Bc.)

Subject, semester, hours per week for lectures and for seminars or practical exercises, name of the lecturer:

Telecommunication Technologies	(3rd sem., 3-2h)	M. Orgoň
Telecommunication Technologies	(4th sem., 3-2h)	M. Orgoň
Communication and Information Networks	(4th sem., 3-2h)	M. Halás
Communication Systems	(4th sem., 3-1h)	M. Rakús
Digital Communications	(4th sem., 3-2h)	P. Farkaš
Analog and Digital Signal Processing I	(5th sem., 3-2h)	P. Podhradský
Communication Protocols	(5th sem., 3-2h)	M. Poľaško
Communication Systems (for FIIT SUT)	(5th sem., 3-2h)	P. Farkaš
Mobile and Satellite Communications I	(5th sem., 3-2h)	P. Farkaš, M. Turcsány
Telecommunications Lines	(5th sem., 3-2h)	J. Čuchran, R. Róka
Analog and Digital Signal Processing II	(6th sem., 3-2h)	J. Pavlovičová
Digital Transmission Systems and Networks	(6th sem., 3-2h)	J. Čuchran, R. Róka

Switching Systems I	(6th sem., 3-2h)	I. Baroňák
III.2 Graduate Study (Ing.)		
Digital Signal Processing	(1st sem., 3-2h)	G. Rozinaj
Mobile and Satellite Communications II	(1st sem., 3-2h)	P. Farkaš, M. Turcsány
Image Compression	(1st sem., 3-2h)	J. Polec
Switching Systems II	(1st sem., 3-2h)	I. Baroňák
Communications Theory (for FIIT SUT)	(2nd sem., 2-1h)	P. Farkaš
Integration and Convergence of Digital Networks and Services	(2nd sem., 3-2h)	E. Chromý
Probabilistic Models in Telecommunications	(2nd sem., 3-2h)	J. Polec
Broadband Switching Systems	(3rd sem., 3-2h)	M. Medvecký
Digital Image Processing	(3rd sem., 3-2h)	J. Pavlovičová
Digital Speech Processing	(3rd sem., 3-2h)	G. Rozinaj
Intelligent Networks and Services	(3rd sem., 3-2h)	P. Podhradský
Optical Communication Systems and Networks	(3rd sem., 3-2h)	J. Čuchran, R. Róka
Private Telecommunication Networks and Services	(3rd sem., 2-3h)	I. Baroňák
Selected Algorithms of Digital Image Processing	(3rd sem., 3-2h)	I. Bajla
Telecommunication Legislative	(3rd sem., 2-3h)	I. Baroňák
Telecommunication Systems Management	(3rd sem., 3-2h)	M. Medvecký
Wavelets and Filter Banks	(3rd sem., 3-2h)	R. Vargic

IV. RESEARCH PROJECTS

- Optimization Multimedia Traffic in NGN Network, AV-015-Bar (2007 - 2009), I. Baroňák
- Operating program research and development. Center of excellence – SMART technologies, networks and Services (IMS Platform for NGN), OPVaV - 2008/4.1/01–SORO, (2009-2010), I. Baroňák
- Modelling of traffic parameters in NGN telecommunication systems and networks, VEGA - 1/0565/09, (2009-2011), I. Baroňák
- Advancement of coding technologies, VEGA 1/0376/09 (2009-1012), P. Farkaš
- Prosody and Modification of Speech, APVV LPP-078-06, (2007-2010), G. Rozinaj
- IQ Kiosk - Intelligent Terminal, AV 4/0020/07, (2007-2009), G. Rozinaj
- Algorithms and Methods of Multimedia Signal Processing for Human Machine Interface, VEGA 1/0718/09, (2009-2011), G. Rozinaj
- Converged Technologies for Next Generation Networks (NGN), AV 4/0019/07, (2007–2009), P. Podhradský
- Multimedia Services and Applications in the Environment of New Generation Converged Network Infrastructure, VEGA 1/0720/09, (2009-2011), P. Podhradský
- Intelligent Error correction in Image Information Transmission Through Wireless Channels, VEGA 1/0883/08, (2008-2010), J. Polec

- Analysis and Design of Applications for Extended Access Networks in the NGN Infrastructure Utilized Fixed Metallic Transmission Media for Supporting of Multimedia Services and Mutual Interconnections of Various Technologies and Networks, VEGA 1/0396/08, (2008-2010), R. Róka

V. COOPERATION

V.1 Cooperation in Slovakia

- Agrogenofond in Nitra
- Alcasys
- Alcatel Lucent Slovakia
- ALISON Slovakia
- API
- Comenius University in Bratislava
- Council for Broadcasting and Retransmission
- Ericsson Slovakia, Bratislava
- GTS Slovakia
- ITM, Ltd.
- Methodical Pedagogical Centers
- Ministry of Agriculture of Slovak Republic
- Ministry of Economy of Slovak Republic
- Ministry of Interior of Slovak Republic
- Ministry of Transport, Posts and Telecommunications of Slovak Republic
- NextiraOne
- Nokia Siemens networks
- Orange Slovakia
- PROFiber Networking, Trnava
- PTT Research Institute, Banská Bystrica
- Siemens PSE Slovakia
- Slovak Agricultural University in Nitra
- Slovak Association of Electrotechnical Companies
- Slovak Statistical Office of Slovak Republic
- Slovak Telecom
- Society of Lifelong Learning in Bratislava
- Technical University in Košice
- Telecommunication Office of Slovak Republic
- Telecommunication Users Group Slovakia
- Tesla, Liptovský Hrádok
- T-Mobile Slovakia
- University of Trnava
- University of Žilina
- Constantine the Philosopher University, Nitra
- WiMAX Slovakia

V.2 International Cooperation

- Aalborg University Center for Person Kommunikation, Denmark
- Alcatel Stuttgart, Germany
- ARC Seibersdorf research GmbH, Austria
- Budapest Polytechnic, Hungary
- CELN Prague, CzR

- Croatian Academy of Engineering, Zagreb, HR
- ČVUT in Prague, CzR
- Deutsche Telecom Laboratory in Berlin
- Deutsche Telecom University in Leipzig
- Ericsson, Sweden
- École Nationale des Télécommunications de Bretagne (ENST)
- EMMERCE EEIG, Linköping, Sweden
- Fachhochschule Heilbronn, Germany
- Fachhochschule Oldenburg, Ostfriesland, Wilhelmshaven, University of Applied Sciences, Germany
- Economic Chamber, CzR
- Institut National des Télécommunications (INT), Evry, France
- ISEP Paris, France
- Kingston University, Faculty of Technology, the UK
- Lancaster University, the UK
- The Charta 77 Foundation, CzR
- Nortel, Vienna, Austria
- Polish Academy of Sciences Gliwice, Poland
- Politechnica Poznań, Poland
- Politecnico di Milano
- Portugal Telecom Inovacao (PT Inovacao)
- Rechenzentrum der RWTH Aachen, Germany
- Siemens Vienna, Austria
- T-Mobile, CzR
- Telenor, Norway
- The National and Kapodistrian University of Athens, Greece
- TU Budapest, Hungary
- TU Graz, Austria
- TU Ljubljana, Slovenia
- TU Maribor, Slovenia
- TU Wien, Austria
- TU Zagreb, Croatia
- TU Tampere
- University of Central Lancashire, the UK
- University of Strathclyde, Glasgow, the UK
- University of Versailles, France
- University of West Bohemia in Pilsen, CzR
- Universty of Hradec Kralove, CzR
- UPC Barcelona, Spain
- VŠB TU in Ostrava, CzR
- VUT in Brno, CzR

V.3 Membership in International Organizations and Societies

- IEEE: P. Farkaš, M. Poľáško, M. Rakús, R. Róka
- Czechoslovakia Section IEEE - Executive Committee Member responsible for Slovakia: M. Rakús
- Correspondent Member of the Croatian Academy of Engineering: P. Podhradský
- IET: G. Rozinaj
- Executive committee member - CTF in Slovak Republic: I. Baroňák
- CTF in Slovak Republic: I. Baroňák, M. Medvecký, R. Róka
- ETSI: I. Baroňák
- URSI – Official Member in Scientific Commission C - Signals and Systems: P. Farkaš
- IEEE CAS/COM/SP joint Czechoslovakia Chapter- Executive Committee member: P. Farkaš

VI. THESES

VI.1 Masters Theses

Masters theses written as part of the 5-year-study plan supervised at the Department of Telecommunications. The names of supervisors are in brackets:

- [1] Adamko, D.: Software inventory of a company - software auditing (M. Orgoň)
- [2] Balogh, T.: Evaluation of chosen algorithms for prioritization of packets in QoS supporting networks (M. Medvecký)
- [3] Bedőcsová, M.: IP Centrex services in the environment of converged technologies and NGN (P. Podhradský)
- [4] Benčík, M.: Genetic algorithms and their utilization with DSP (J. Kotuliaková)
- [5] Bočinec, S.: Traffic capturing and analysis in Ethernet networks (I. Kotuliak)
- [6] Borik, M.: Encoding speech according to original context (G. Rozinaj)
- [7] Bušík, M.: Security of information systems - security Audit (M. Orgoň)
- [8] Cimbala, L.: Design of concept for new IPTV application in environment of NGN architecture based on IMS (E. Mikóczy)
- [9] Čunderlík, P.: Evaluation of queue memory management algorithms in systems with QoS support (M. Medvecký)
- [10] Dorušinec, M.: Building supporting modules for testing performance of networks (I. Kotuliak)
- [11] Dudáš, P.: Implicit traffic routing in MPLS networks (M. Medvecký)
- [12] Fačka, P.: Application of active appearance models on face recognition (M. Oravec)
- [13] Fiala, M.: Performance comparison of selected open source SIP PABX (M. Halás)
- [14] Firák, D.: Design and Deployment of Unified Communication System in Small Business Company (J. Královič)
- [15] Galovič, P.: Trellis-based decoding of the linear block codes (M. Rakús)
- [16] Garaj, M.: Application of optics in access network – PON (R. Róka)
- [17] Gašperák, R.: Charging in VoIP network (I. Kotuliak)
- [18] Galaňa, M.: Quality of Service in IP network (P. Kvačkaj)
- [19] Golha, M.: Modeling and simulation of the IMS platform (O. Lábaj)
- [20] Grajciar, P.: Traffic simulation in IEEE 802.11 networks in term of throughput and routing (M. Oravec)
- [21] Graňák, B.: Telephony through the medium of power line (M. Orgoň)
- [22] Gurský, T.: Location Based Services in mobile networks (R. Jakubek)
- [23] Habánik, M.: Quality of Service in modern IP networks - methods and facilities in environment of Triple Play services (I. Vargovič)
- [24] Hoďovský, P.: Classification of textures (J. Polec)
- [25] Hoffmann, M.: Visualization of transforms and their selection of characteristics (R. Vargic)
- [26] Hulík, M.: Packet routing in LEO satellite networks (P. Trúchly)
- [27] Humenský, M.: Usage of SIP protocol on BEA SIP server for Video-on-Demand service (E. Molnár)
- [28] Hvišč, P.: Speech signal processing and coding with sinusoids plus noise (M. Turi Nagy)
- [29] Chamula, P.: Performance of access mechanism for passive optical network DBORN (I. Kotuliak)
- [30] Jančich, R.: Cluster Unit Selection in Slovak Concatenative Speech Synthesis (J. Čepko)
- [31] Janeček, M.: Mobile IMS client (R. Vargic)
- [32] Jesenský, T.: Intelligent dialog for communication with computer (G. Rozinaj)
- [33] Kakvic, M.: Admission Control Methods in IP Networks (E. Chromý)
- [34] Kaššovic, J.: Analysis and synthesis of energetic signals (P. Farkaš)
- [35] Kenyeres, J.: Realization of experimental application of Crossbow's wireless sensor network for education (P. Farkaš)
- [36] Klúčik, S.: Service quality of multimedia streams over IP networks (M. Halás)

- [37] Kotvas, R.: Technologies of VoIP and their implementation (M. Talanda)
- [38] Kovačič, P.: VoIP solution on Mobicents Platform (I. Kotuliak)
- [39] Kováčik, M.: Measurements on Wireless Sensor Networks (M. Rakús)
- [40] Kročka, P.: Comparison of videoconference quality based on different transmission environments (J. Filanová)
- [41] Krulikovská, L.: The optimalization of routing of the traffic of multipoint connections in telecommunication networks (J. Filanová)
- [42] Kubeková, J.: Methods CAC in IP networks (P. Kvačkaj)
- [43] Kubica, J.: Security auditing IS/IT (information system/information technologies) (M. Orgoň)
- [44] Kubizniak, P.: Simulation of data transmission in an IP network with quality of service (R. Dekan)
- [45] Kuka, M.: Impact of encryption on quality of service (M. Halás)
- [46] Kukučka, M.: Creating of speech database for speech synthesis with segment selection (J. Čepko)
- [47] Kulík, J.: Inter-cell interference mitigation in mobile systems based on OFDMA (M. Turesány)
- [48] Lakatos, T.: Architectures of optical, metallic and radio technologies in access network (R. Róka)
- [49] Lakatoš, I.: Implementation of network for data, voice and video services (M. Kavacký)
- [50] Lančí, R.: Watermarks in still images (J. Kotuliaková)
- [51] Legěň, M.: Virtual environment setup for educational applications (M. Orgoň)
- [52] Londák, J.: Security of IMS architecture using SBC (Session Border Controller) (J. Matejka)
- [53] Lukáč, P.: Traffic management with assistance of QMM and QSD mechanisms (E. Chromý)
- [54] Luknárová, D.: Parameterizations for speaker identification (J. Kačur)
- [55] Lúžny, M.: Processing input text for vocal synthesizer (J. Čepko)
- [56] Maga, M.: CAC methods in IP networks (P. Kvačkaj)
- [57] Magna, M.: Management of NGN networks (M. Medvecký)
- [58] Majchrák, S.: Experiment with wireless sensor networks CROSSBOW (P. Farkaš)
- [59] Mardiak, M.: Subjective and objective method for evaluating quality of video signal (J. Filanová)
- [60] Maslenová, K.: Local Television Broadcasting in MVDS System (J. Polec)
- [61] Matejovič, J.: Security Audit (M. Orgoň)
- [62] Matějovský, S.: The study of selected application of wireless sensor networks (P. Farkaš)
- [63] Matoušek, P.: Impact of the evolution of the metropolitan network on the DSL access architecture (R. Róka)
- [64] Meszároš, M.: Verification of speaker based on speech characteristics (J. Vojtko)
- [65] Mihalovič, M.: Wireless Sensor Network Experiment (P. Farkaš)
- [66] Michalík, P.: Design of a CTI workplace (E. Chromý)
- [67] Miklík, P.: Investigating the sources of customer problems while data transmissions over Flash-OFDM (R. Paulen)
- [68] Miškolci, A.: Speech synthesis over Microsoft SAPI interface (J. Čepko)
- [69] Mišuth, T.: Call center traffic simulations in private telecommunications networks environment (E. Chromý)
- [70] Miťko, P.: Filter Design in 3D Complex Z-plane and Visualization of their Characteristics (J. Pavlovičová)
- [71] Mok, O.: The use of new communication technologies within the virtual firm (J. Filanová)
- [72] Mulinka, P.: Classificators for identification of speaker (J. Kačur)
- [73] Muráň, J.: Switching to VoIP service in enterprise environment (J. Filanová)
- [74] Murgaš, M.: Possibilities and use of internet marketing in e-commerce and its support through information systems (B. Mišota)
- [75] Murín, J.: Convergence in private telecommunication networks (P. Horváth)

- [76] Niederland, M.: NGN architecture (P. Kvačkan)
- [77] Nosko, M.: Software solutions of network protection and prevention from unwanted intrusion into private networks (M. Orgoň)
- [78] Novák, R.: Application of Biometrics in order to increase the security of electronic communications (M. Orgoň)
- [79] Ondrášek, L.: Video conversations in IMS networks (R. Vargic)
- [80] Ondrejkoivič, M.: Optimization of voice traffic considering call quality in networks with VoIP technology (I. Baroňák)
- [81] Ondrovič, P.: Converged technologies in IMS environment (I. Baroňák)
- [82] Pajda, T.: Analysis of the new modulation and coding techniques for technologies xDSL (R. Róka)
- [83] Pavlovič, J.: The evaluation of impact on QoS of Bandwidth Constraint Models in MPLS network (M. Medvecký)
- [84] Podhorský, P.: IPTV service in Triple Play (I. Baroňák)
- [85] Poláček, P.: Admission Control in IP Networks (I. Baroňák)
- [86] Rosa, M.: Modeling of the Video-On-Demand Service Characteristics in IP Networks (R. Dekan)
- [87] Rybár, P.: Secure interconnection of IMS networks (I. Kotuliak)
- [88] Samel, M.: Colour Histogram Equalisation of Multichannel Images (J. Pavlovičová)
- [89] Sedliak, M.: Audio quality evaluation in IMS networks (R. Vargic)
- [90] Selecký, J.: CAC methods in ATM network (E. Chromý)
- [91] Sestrienka, M.: Simulations of physical layer and MAC sub-layer in IEEE 802.11x networks (M. Oravec)
- [92] Sidor, M.: Analysis of the new modulation and coding techniques for the PLC technology (R. Róka)
- [93] Slamka M.: Face recognition based on discriminant analysis methods (M. Oravec)
- [94] Slávik, M.: Protocol TCP in the global satellite system GEO (P. Trúchly)
- [95] Srok, T.: Technology LTE - Long Term Evolution (T. Páleník)
- [96] Stančík, M.: Multimedia IPTV service in NGN environment (P. Podhradský)
- [97] Stračár, P.: Pattern recognition of human faces type principal component analysis methods (M. Oravec)
- [98] Stred'anský, M.: Digital image watermarking using DWT (R. Vargic)
- [99] Svitek, P.: Face features extraction in images (M. Oravec)
- [100] Šajban, Š.: Creation of Wireless sensor network for learning purposes (P. Farkaš)
- [101] Šarišský, S.: Polygon partitioning for encoding requirement (J. Polec)
- [102] Šiška, M.: Software PBX Asterisk (M. Kavacký)
- [103] Taraba, J.: Security of mobile communications (M. Orgoň)
- [104] Tibenský, M.: Proposal for Triple play network by providing QoS (E. Chromý)
- [105] Tisovský A.: Impact of IPsec security on quality of VoIP communication (M. Halás)
- [106] Vaculčík, J.: Concepts of establishing QoS in NGN (M. Medvecký)
- [107] Valentko, M.: Possibilities of IPTV deployment in access network of SR (R. Róka)
- [108] Vávra, R.: Offshoring in telecommunications and the main competitive advantages of Slovakia from the perspective of offshoring (M. Materák)
- [109] Vitikáč, V.: Design of non-public IP network (E. Chromý)
- [110] Vlčko, I.: Modeling video traffic in IP networks (E. Chromý)
- [111] Vojčík, J.: Transition on digital television broadcasting in Velky Krtis area (M. Fitzek)
- [112] Vozár, M.: Design network for the provision of IPTV services (E. Chromý)
- [113] Zachar, J.: Production and distribution of the HD signals (M. Fitzek)
- [114] Žižák, J.: Analysis of using hybrid PON network in access layer of converged NGN network (R. Róka)

VI.2 Doctoral Theses

- [1] Kyrbashov, B.: Optimization of call processing in VoIP networks (I. Baroňák)
- [2] Pračko, R.: Using of SCAN Methodology for Image Scanning (J. Polec)
- [3] Procháska, J.: The Contribution to Analysis of Self-similar Processes (M. Oravec, R. Vargic)

VII. OTHER ACTIVITIES

VII.1 Conferences and Seminars Organized by the Department

- ELOSYS 2009, October 2009 Trenčín, Slovak Republic, (cooperation with FEI STU Bratislava)

VII.2 Expertise, tenders, international and national commission members

- I. Baroňák: ETS norms, member of National Committee TNK No. 41 for Telecommunications, Transformation of ETS Norms in National Environment
- I. Baroňák: Award of J.Murgaš 2009: member of Committee MDPT SR a SES, Selection Candidate of Award of J.Murgaš for Year 2009
- I. Baroňák: Member of Grant Committee of MDPT SR for Post, Telecommunication and Information Technologies. Bratislava, 2009
- I. Baroňák: Conference with International Participation: WDT 2009, May 2009, Bratislava, Slovak Republic, member of Program committee
- I. Baroňák: Conference with International Participation: ELOSYS 2009, October 2009, Trenčín Slovak Republic, member of Program committee
- I. Baroňák: International Conference - RTT 2009 – Research Telecommunication Technology 2009, Prague, Czech Republic, September 2009, member of Program Committee
- I. Baroňák: 2nd International Conference - NIMT 2009 – New Information and Multimedia Technologies, Brno University of Technology, September 2009, Brno, member of scientific Committee
- I. Baroňák: ICETA 2009 – International Conference on Emerging Telecommunications Technologies and Applications, Košice, Slovak Republic, November 2009, member of Program Committee
- I. Baroňák: Elektrorevue, member of Editorial Board
- I. Baroňák: VEGA, projects reviewer
- I. Baroňák: APVV (Slovak Research and Development Agency), projects reviewer
- I. Baroňák: GAČR (Grant Agency of Czech Republic), projects reviewer
- I. Baroňák: State Programme of Research and Development, projects reviewer
- I. Baroňák: Journal of Electrical Engineering, reviewer
- P. Farkaš: Accreditations committee of Slovak Government - working group for information sciences, information and communication technologies with responsibility also for the area of automation and telecommunications
- P. Farkaš, IEEE Communications Letters and IEEE Transactions on Signal Processing, reviewer
- P. Farkaš, European Wireless 2009, Aalborg, Denmark, 17 - 20 May, 2009, TPC member
- P. Farkaš Wireless Telecommunications Symposium 2009, Prague, Czech republic, TPC member and Track chair and reviewer
- P. Farkaš ICSPCS 2009, Omaha, USA, TPC member and Reviewer
- P. Farkaš Journal of Electrical Engineering, reviewer
- P. Farkaš GAČR (Grant Agency of Czech Republic), project reviewer
- P. Farkaš Review of project proposals in FP 7 for EC
- J. Kačur: JEEEC, reviewer
- J. Kačur: Conference: ISABEL 09, Reviewers Committee
- J. Kačur: Conference: 2009 IEEE Workshop on Statistical Signal Processing, reviewer

- J. Kačur: EURASIP Journal on Advances in Signal Processing, reviewer
- M. Kavacký: Conference ICITA 2009, Hanoi, Vietnam, reviewer
- J. Pavlovičová: GAČR (Grant Agency of Czech Republic), project reviewer
- P. Podhradský: Journal of Electrical Engineering, member of Editorial Board and reviewer
- P. Podhradský: International Journal of Signal and Imaging Systems Engineering (IJSISE), member of Editorial Board
- P. Podhradský: Conference IWSSIP 2009, member of Program and Reviewers Committees
- P. Podhradský: Conference ELMAR 2009, member of Program and Reviewers Committees
- J. Polec: Radioengineering, member of Editorial Board and reviewer
- J. Polec: GAČR (Grant Agency of Czech Republic), projects reviewer
- J. Polec: VEGA, projects reviewer
- J. Polec: KEGA, projects reviewer
- J. Polec: Foundation of SPP, projects reviewer
- J. Polec: Journal of Electrical Engineering, reviewer
- G. Rozinaj: International Journal of Signal and Imaging Systems Engineering (IJSISE) member of Editorial board
- G. Rozinaj: Conference IWSSIP 2009, member of Program and Reviewers Committees
- G. Rozinaj: Journal of Electrical Engineering, reviewer
- G. Rozinaj: Acta Electrotechnica et Informatica, member of Editorial Board
- G. Rozinaj: EURASIP Journal on Advances in Signal Processing, member of Editorial Board
- G. Rozinaj: 4th Indian International Conference on Artificial Intelligence (IICAI-09), member of Program and Reviewers Committees
- G. Rozinaj: Conference ELMAR 2009, member of Program and Reviewers Committees, invited lecturer, chairman of the session
- R. Róka: International Journal of Communication Networks and Information Security, Area Editor
- R. Róka: International Journal of Communication Networks and Information Security, member of Editorial Board and reviewer
- R. Róka: Journal of Electrical Engineering, reviewer
- R. Róka: Conference ELITECH 2009, co-chairman of the section
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VIII. PUBLICATIONS

VIII.1 Journals

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