DEPARTMENT OF TELECOMMUNICATIONS

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I. STAFF

Professors	Prof. Ing. Peter Farkaš, DrSc., Prof. JUDr. Mária Patakyová, PhD., Prof. Ing. Pavol Podhradský, PhD.,
Associate Professors	Doc. RNDr. Ing. Ivan Bajla, PhD., Doc. Ing. Ivan Baroňák, PhD, Doc. Ing. Ján Čuchran, PhD., Doc. Ing. Jana Kotuliaková, PhD, Doc. Ing. Miloš Oravec, PhD., Doc. Ing. Jaroslav Polec, PhD., Doc. Ing. Gregor Rozinaj, PhD., Doc. Ing. Ján Zodl, PhD.
Assistant Professors	Ing. Jozef Čepko, Ing. Jana Filanová, Ing. Ján Hodál, Ing. Erik Chromý, Ing. Juraj Kačur, PhD., Ing. Martin Medvecký, PhD., Ing. Kvetoslava Kotuliaková, Ing. Ivan Kubiňák, Ing. Jozef Oboňa, Ing. Miloš Orgoň, CSc., Ing. Jarmila Pavlovičová, PhD., Ing. Michal Poľaško, PhD., Ing. Martin Rakús, PhD., Ing. Rastislav Róka, PhD., Ing. Eva Samuhelová, Ing. Peter Trúchly, PhD., Ing. Radoslav Vargic, PhD.
Research Workers	Ing. Tomáš Janvars, Ing. Ivan Kotuliak, PhD., Ing. Peter Kvačkaj, Ing. Miroslav Talanda
Technical Staff	Alexandra Šafariková, Iveta Kováčiková (secretary), Ing. Rozália Hudíková, Mária Barbíriková, Ing. Maroš Michalík
PhD. Students	Ing. Peter Bandzi, Ing. Marián Beszédeš, Ing. Anton Březina, Ing. Michal Halás, Ing. Štefan Jurko, Ing. Matej Kavacký, Ing. Juraj Mačica, Ing. Andrej Páleník, Ing. Róbert Trška, Ing. Matúš Turcsány, Ing. Martin Turi Nagy, Ing. Juraj Vojtko

II. EQUIPMENT

II.1 Teaching and Research Laboratories

- Laboratory of Telecommunications Management Network
- Laboratory of Telecommunications Technology (Optical SDH, ATM, RWS)
- Laboratory of Digital Signal Processing
- Laboratory of Digital Switching Systems and ISDN
- Laboratory of Optical Communications Systems
- Laboratory of Data Transmission
- Laboratory of Digital Image and Speech Processing
- Laboratory of Intelligent Networks and Services
- NGN Lab
- E-learning Multimedia Laboratory

II.2 Special Measuring Instruments and Computers

- Optical Network (SDH – STM, 155 Mbit/s)
- Multiplexor NORTEL S/DMS 1X (16 x 2,048 Mbit/s)

- Private Telecommunication System ALCATEL A4300L
- Private ISDN Network
- Micro Radio Wave System TeleStar 23 CL (4 x 2, 048 Mbit/s)
- Multiplexor New Bridge – Main Street 2000
- Telecommunications Videoconference Systems for ISDN (2 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
- FWA system VoIP via SANET
- Telecommunications Instructional Teaching Modelling System TIMS-301

III. TEACHING

III.1 Undergraduate Study (Bc.)

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

Telecommunication Technologies	(3rd sem., 2-2h)	I.Baroňák, J.Čuchran
Digital Communications	(4th sem., 3-2h)	P.Farkaš
Circuits Theory	(5th sem., 3-2h)	J.Kotuliaková
Theory of Communication Systems	(5th sem., 3-2h)	P.Podhradský
Probabilistic Models in Telecommunications	(5th sem., 3-2h)	J.Polec
Mobile and Satellite Communications I.	(6th sem., 3-2h)	P.Farkaš
Telecommunications Lines	(6th sem., 3-2h)	J.Čuchran
Electronics in Commun. Systems	(6th sem., 3-2h)	P.Podhradský
Digital Signal Processing	(6th sem., 3-2h)	J.Kotuliaková
Switching Systems I.	(7th sem., 3-2h)	I.Baroňák
Transmission Technology	(7th sem., 3-2h)	J.Čuchran
Communication Protocols	(7th sem., 3-2h)	M.Poľaško
Network Architectures	(8th sem., 3-2h)	M.Poľaško
Integrated Services of Digital Networks	(8th sem., 3-2h)	M.Oravec
Switching Systems II.	(8th sem., 3-2h)	I.Baroňák
Selected Methods for Image Compression	(8th sem., 3-2h)	J.Polec

III.2 Graduate Study (Ing.)

Digital Signal Processing	(1st sem., 3-2h)	G.Rozinaj
Wavelets and Filter Banks	(1st sem., 3-2h)	R.Vargic
Switching Systems II.	(1st sem., 3-2h)	I.Baroňák
Selected Methods for Image Compression	(1st sem., 3-2h)	J.Polec
Mobile and Satellite Communications II.	(1st sem., 3-2h)	P.Farkaš
Digital Speech Processing	(2nd sem., 2-2h)	G.Rozinaj

Telecommunication Legislation	(2nd sem., 2-2h)	M.Patakyová
Telecommunication Systems Management	(2nd sem., 2-2h)	M.Medvecký
Selected Algorithms of Digital Image Processing	(2nd sem., 3-1h)	I.Bajla
Optical Communication Systems	(2nd sem., 2-2h)	J. Čuchran, R. Róka
Digital Image Processing	(2nd sem., 2-2h)	J. Pavlovičová
Private Telecommunication Networks and Services	(3rd sem., 3-2h)	I.Baroňák
Intelligent Networks and Services	(3rd sem., 3-2h)	P.Podhradský
Neural Networks for Signal Processing	(3rd sem., 3-2h)	M.Oravec
Broadband Switching Systems	(3rd sem., 3-2h)	M.Medvecký

III.3 Undergraduate and Graduate Study for Foreign Students (in English Language)

Switching Systems	(3rd sem., 0-3h)	M.Medvecký
Computer Systems and Communications	(6th sem., 0-3h)	M.Rakús
Digital Circuits and Systems	(7th sem., 4-3h)	J.Hodál
Network Application Software	(7th sem., 4-2h)	I.Grellneth
Data Communications I.	(7th sem., 4-2h)	R.Róka
Data Communications II.	(7th sem., 0-3h)	J.Oboňa
Multimedia	(7th sem., 0-3h)	J.Oboňa
Mobile Communications	(8th sem., 4-2h)	M.Rakús
Digital Communications I.	(8th sem., 0-4h)	P.Farkaš
Computer Networks	(9th sem., 4-2h)	M.Oravec
Digital Communications II.	(9th sem., 0-4h)	P.Farkaš
Telecommunication Networks	(9th sem., 0-3h)	M.Medvecký
Digital Communications III.	(9th sem., 4-2h)	R.Róka
Digital Communications IV.	(10th sem., 0-3h)	M.Rakús

IV. RESEARCH PROJECTS

- The Control of Traffic in Multiservice Telecommunications Systems and Networks, VEGA 1/0156/03 (2003-2005), I. Baroňák
- The Communication Infrastructure for Information Society – Next Generation Networks, AV 1002/2004, (2004-2006), I.Baroňák
- The Convergence of ICT Networks and Services in the Communication Infrastructure of SR, State Program of Research and Development - "Building of the Information Society", (2003-2005), I. Baroňák (national coordinator)
- FP5 NEXWAY IST -2001-37944, Network of Excellence in Wireless Applications and Technology, P. Farkaš
- Analysis and Processing of Low-level ECG Signals with Diagnostics in Practice VTP 18/2004 (2004-2006), G. Rozinaj

- The Intelligent Speech Communication Interface, State Program of the Research and Development - Building of the Information Society, (2003-2006), G. Rozinaj (university coordinator)
- Audio, Video and Biomedical Signal Processing Using Non-Standard Forms of DSP Algorithms, VEGA 0147/2003 (2003-2005), G. Rozinaj
- Virtual Reality of Multimedia Speech Synthesis VTP 1003/2003 (2003-2006), G. Rozinaj
- Methods and Algorithms for Digital Signal Processing, Protocol Development, Communication Channels Modelling and Simulation of Signal Transmission in Different Environments, VEGA 0146/2003 (2003-2005), P. Podhradský
- COST 279 – Analysis and Design of Advanced Multiservice Networks Supporting Mobility, Multimedia and Internetworking (2001 – 2005), P. Podhradský
- Application of ICT Technologies and New Generation Network Platforms in Education, State Program of Research and Development - "Building of the Information Society", (2003-2006), P. Podhradský
- LEONARDO_ICoTel, No: SK /02/B/F/PP/-142261, (2002-2005), educational project, P.Podhradský
- LEONARDO ELEFANTS, No: 2004 - CZ/04/B/P/PP/168012, (2004-2007), educational project, P.Podhradský
- High Speed Optical Packet Switching Networks and Quality Management in the Environment of Backbone Optical Networks, VEGA1048/04 (2004-2006), I. Kotuliak

V. COOPERATION

V.1 Cooperation in Slovakia

- Agroinstitute in Nitra
- Alcasys
- Alcatel Slovakia
- API
- Comenius University in Bratislava
- Council for Broadcasting and Retransmission
- DATA, Bratislava
- EMM p.l.c., Bratislava
- Ericsson Slovakia, Bratislava
- FREQUENTIS p.l.c., Bratislava
- GTS Slovakia
- ITM, s.r.o.
- Kapsch Telecom s.r.o., Bratislava
- Methodical Pedagogical Centers
- Microsoft Slovensko
- Microstep MIS Slovakia
- 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
- National Agency for Development of Small and Middle Enterprises
- NextiraOne, s.r.o.
- Orange Slovakia
- 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 a.s., Bratislava
- Society of Lifelong Learning in Bratislava

- Technical University in Košice
- Telecommunication Office of Slovak Republic
- Telecommunication Users Group Slovakia
- Telenor, s.r.o., Bratislava
- Teleservis, s.r.o., Bratislava
- Tesla, Liptovský Hrádok
- Tesla, Stropkov
- University of Trnava
- University of Žilina
- University of Constantin Philosopher, Nitra
- VegaCom Slovakia, a.s.
- Volkswagen Bratislava
- Wavetek Wandel & Goltermann

V.2 International Cooperation

- Aalborg University Center for PersonKommunikation, Denmark
- Alcatel CIT, France
- Alcatel SEL, Stuttgart, Germany
- Alcatel Stuttgart, Germany
- ARC Seibersdorf research GmbH, Austria
- BITMEDIA e-learning solution, Graz, Austria, (daughter company of Siemens Austria)
- Budapest Polytechnic, Hungary
- CELN Prague, CzR
- ČVUT in Prague, CzR
- Ericsson, Sweden
- Fachhochschule Heilbronn, Germany
- Fachhochschule Oldenburg, Ostfriesland, Wilhelmshaven, University of Applied Sciences, Germany
- Chamber of Economy, CzR
- Institut National des Télécommunications (INT), Evry, France
- ISEP Paris, France
- KENTEQ Hilversum, the Netherlands
- Kingston University, Faculty of Technology, United Kingdom
- Lancaster University, United Kingdom
- Foundation of Charter 77, CzR
- Nortel, Vienna, Austria
- Polish Academy of Sciences Gliwice, Poland
- Politechnica Poznań, Poland
- Rechenzentrum der RWTH Aachen, Germany
- Siemens Vienna, Austria
- Telenor, Norway
- The National and Kapodistrian University of Athens, Greece
- TU Budapest, Hungary
- TU Graz, Austria
- TU Ljublana, Slovenia
- TU Maribor, Slovenia
- TU Wien, Austria
- TU Zagreb, Croatia
- University of Central Lancashire, United Kingdom
- University of Strathclyde, Glasgow, 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. Poľaško, M. Rakús, J. Čuchran, R. Róka, J. Oboňa
- Czechoslovakia Section IEEE - Executive Committee Member responsible for Slovakia: P.Farkaš
- IEE: G. Rozinaj, M. Oravec
- Executive committee member – Communication Technology Forum : I. Baroňák
- Communication Technology Forum : M. Medvecký
- ETSI: I. Baroňák
- IEICEA, P. Farkaš
- URSI – Official Member in Scientific Commission C: Signals and Systems P. Farkaš
- IEEE CAS/COM/SP joint Czechoslovakia Chapter- Executive Committee member: P. Farkaš
- Visiting Professor Kingston University: P. Farkaš
- Expert for evaluation of scientific projects for EUROPEAN COMMISSION: P. Farkaš

V.4 Contracts

- I.Baroňák: Public Competition of Telecommunication providers – FWA 3,5 GHz. Telecommunication Office of Slovak Republic. Bratislava, May – July 2005
- P.Podhradský: Control and Diagnostics of the Technological Processes in Manufacturing process based on Application of ICT, VOLKSWAGEN Bratislava, June - December 2005

VI. THESES

VI.1 Masters Theses

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

[1] M.Bednárik: Simulation of HARQ Using New FEC Codes (M. Rakús)
[2] M.Bielčik: Texture Segmentation (J. Pavlovičová)
[3] P.Blahová: Dialog ARR System Realization for Slovak Language (J. Kačur)
[4] M.Blaško: Simulation of Data Transfer in IP Network with QoS Scheme DiffServ (R. Dekan)
[5] D.Doležal: Analysis of Hybrid ARQ Schemes (K. Kotuliaková)
[6] P.Duda: Analysis of the Selected Information Transmission Techniques in Two Dimensional Channels Through the Use of the Two Dimensional Complete Complementary Codes (P. Farkaš)
[7] Z.Fiurášková: Analysis of Impulsive Noise Cancelation in OFDM System (P. Farkaš)
[8] M.Gablas: Project Enum (I. Baroňák)
[9] M.Galiovský: Heterogeneous Carrier Networks (P. Kvačkaj)
[10] P.Gérik: Optimization of Multipoint Routing in Telecommunication Networks (J. Filanová)
[11] J.Gluch: Quality of Service in IP Networks (M. Medvecký)
[12] T.Grman: User Program for Comparison of Various Modem Technologies in the Local Loop (R. Róka)
[13] P.Gubka: Analysis of Two-Dimensional Hexagonal Signatures (P. Farkaš)
[14] B.Gyén: Optimization of Traffic Routing of the Multi-Point Connections in Telecommunication Networks by Means of the Hill-Climbing Algorithm and the Simulated Annealing Algorithm (J. Filanová)
[15] J.Holeš: Implementation of Hill-Climbing Algorithm Into the Simulator of Multipoint Connections in Telecommunication Networks (J. Filanová)
[16] T.Hollý: Structured Trellis Construction of Linear Block Codes (P. Farkaš)

[17] A.Hozlár: Mobile Television (M. Turcsány)
[18] O.Hrdlička: On Turbo-Decoding of Serially Concatenated Systems (P. Farkaš)
[19] M.Hudák: Arithmetic Encoding of Segmented Images (J. Polec)
[20] D.Ignjič: Error Correction Codes Design for Two Dimensional Constrained Codes (J. Mačica)
[21] M.Keleši: Detection and Concealment of Transmission Errors in Block-Codes Images Using RBF Network (M. Oravec)
[22] J.Kemeník: Telephone Switchboard for Six Participants (M. Talanda)
[23] V.Klempa: Exploring the Possibilities of Turbo Decoding Multiples (P. Farkaš)
[24] V.Kostiviar: Use of the Genetic Algorithm in the Simulation of Multipoint Routing in Telecommunications Networks (J. Filanová)
[25] J.Kralovič: Analysis of Special Technique in the Two Dimensional Mobile Channels with the Help Two-Dimensional Quasi-Orthogonal Complete Complementary Codes (P. Farkaš)
[26] L.Laciňák: Space Time Codes Overview, Simulation and Analysis of Their Exploitation (J. Oboňa)
[27] M.Lačok: Intelligent Speech Interface (G.Rozinaj)
[28] V.Ľachký: Signaling Systems in NGN Networks (M. Medvecký)
[29] J.Lasz: Measurement and Evaluation of the Traffic in LAN and IP Networks (I. Kotuliak)
[30] J.Lipovský: Transmission of Streaming Video over Mobile Networks (R. Vargic)
[31] F.Macko: Signal Processors Application for Audio Signal and Biomedical Signal Processing (Š. Jurko)
[32] M.Macko: The System for Evidence of Computer Equipment (M. Medvecký)
[33] W.A.Mahfouz: Next Generation Network /in English/ (M. Medvecký)
[34] M.Mojzeš: Image Coding Using Quad-Tree Algorithm (J. Pavlovičová)
[35] M.Mokoš: Detection and Concealment of Transmission Errors in Block Coded Images (J. Pavlovičová)
[36] J.Neuschl: Face Recognition Using Pca (M. Oravec)
[37] P.Novák: Face Recognition Using LDA Algorithm (M. Oravec)
[38] M.Oravec: Tool for Creating of Intelligent Network Service Logic (P. Trúchly)
[39] A.Páleník: Detection of Intonation Features in Speech Corpora (G. Rozinaj)
[40] J.Parák: Perceptual Coder of Audio Signals Using Spectra Prediction (G. Rozinaj)
[41] Ľ.Paulík: Wireless Technologies for Communication (P. Farkaš)
[42] M.Paulík: IP Phone (M. Orgoň)
[43] Z.Pente: Video Compression Using Wavelet Transformation (R. Vargic)
[44] Š.Sádovský: Services of Electronic Banking in Slovakia (M. Orgoň)
[45] M.Sasko: Optical Wireless Communications R. Róka)
[46] V.Smatana: IP Telephony Over H.323 and SIP (I. Baroňák)
[47] T.Sýkora: Synthesis for Slovak Language (G.Rozinaj)
[48] J.Šalamon: Decoding of Reed-Solomon Codes Using Guruswami Sudan Algorithm (P.Farkaš)
[49] J.Šarabok: Private Telecommunications Network Services (M. Orgoň)
[50] E.Šiffel: Subjective and Objective Quality Assessment for H.264 Coded Low-Rate Low-Resolution Video Sequences (O. Némethová)
[51] O.Šintaj: IP and Computer Telephony Application Development (M. Halás)
[52] J.Škulavík: Implementation of the Web-Based CTI Platform for Contact Centre Operators (P. Martiš)
[53] Š.Tóth: Watermarking in Static Images (J. Kotuliaková)
[54] T.Trnečka: Digital Watermarking in Still Images (A. Ušáková)
[55] M.Trubačík: Separation of Low-Level Signals from ECG (G.Rozinaj)
[56] M.Tušš: Quality of Services in ATM - CAC Methods (P. Kvačkaj)
[57] F.Uram: IP Telephony (I. Baroňák)
[58] M.Urbanovič: MPLS Protocol in Wireless Environment (P. Trúchly)
[59] J.Urminský: Implementation of PLC Modem Using Programmable Logic Circuit FPGA Based on HiperLAN/2 Protocol (R. Róka)
[60] M.Vajaš: Modelling of a Talking Face (G.Rozinaj)

[61] J.Valter: Position of IP Telephony in Process of Information and Communication Technologies (M. Orgoň)

[62] J.Varchol: Convergent Technologies and NGN (Next Generation Networks) - Aspects of Control and Management in Networks According to Communication among Network Segments (P. Podhradský)

[63] A.Varchola: Spectral Domain Image Segment Restoration (A. Březina)

[64] P.Vlčko: Neural Network Based Detection of Biomedical Signals (G.Rozinaj)

[65] J.Vojtko: Slovak Speech Recognition through the Use of Program Sphinx (G.Rozinaj)

[66] A Vrábel: Postprocessing of Synthesized Slovak Speech (G.Rozinaj)

[67] B.Zálesňák: CAC Methods of Traffic Control in ATM (I. Baroňák)

VI.2 Doctoral Theses

[1] J. Kačur: Speech detection in the noisy environment, September 2005 (G. Rozinaj)

[2] M.Cerňák: Using Objective Measurement of Quality for Corpus Speech Synthesis, May 2005 (G. Rozinaj)

VII. OTHER ACTIVITIES

Conferences and Seminars Organized by the Department

- 29th International Conference – World Telecommunication Day – Information and Communication Technologies for All. Bratislava, Slovak Republic, May 2005, (with SES, Slovak Telecom, VÚS Banská Bystrica, Intenzíva)
- ELOSYS 2005, October 2005 Trenčín, Slovak Republic, (cooperation with FEI STU Bratislava)
- 5th EURASIP Conference on Speech and Image Processing, Multimedia Communications and Services, Smolenice, 29 June-2 July 2005
- New Trends in Speech Processing, 6th Scientific Workshop, Bratislava, 6-7 April 2005

Special Lectures

- LEONARDO_IcoTeL project – Information and Communication Technology in Lifelong Laerning, (1 June 2005 – 31 October 2005, 40 persons)
    Course: English – Management and Marketing Technology
    Course: Control and Diagnostics of the Technological Processes in Manufacturing Process Based on Application of ICT
    Course: Management and Control of ICT Infrastructure
    Course: Multimedia ICT Technologies, Network Platforms and Multimedia Services P.

Expertise, tenders, international and national commission members

- I.Baroňák: Award of J.Murgaš 2005: Member of Committee MDPT SR a SES, Selection Candidate of Award of J.Murgaš for Year 2004
- I.Baroňák: Member of Grant Committee of MDPT SR for Post, Telecommunication and Information Technologies. Bratislava, 2005
- I.Baroňák: Opponent of the projects for GA Czech Republic, Prague, July 2005
- I.Baroňák: Conference with International Participation: ELOSYS 2005, October 2005, Trenčín, Slovak Republic, member of Program committee
- I.Baroňák: International Conference - RTT 2005 – Research Telecommunication Technology 2005, September 2005, Ostrava, member of Program committee
- I.Baroňák: 28th International Conference - TSP 2005 - Telecommunications and signal processing Brno University of Technology, September 2005, Brno, member of scientific committee
- I.Baroňák: 29th International Conference – World Telecommunication Day – Information and

Communication Technologies for All. Bratislava, Slovak Republic, May 2005, member of program committee

- I.Baroňák: ICETA 2005 – International Conference on Emerging Telecommunications Technologies and Applications, Košice, Slovak Republic, 16-18 September 2005, member of program committee
- 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
- M. Oravec: Working group ENUM, with support of Ministry of Transport, Posts and Telecommunications of Slovak Republic, member
- M. Oravec: member of Program Committee of 28th International Conference Telecommunications World Day, Bratislava, May 2005
- M. Oravec: Journal of Electrical Engineering,, member of Reviewers Committee
- M. Oravec: IEEE Transactions on Vehicular Technology, reviewer
- M. Oravec: Opponent of the projects for VEGA
- M. Oravec: Conference chairman of section:
  „Image-IV", EC-SIP-M 2005 5th EURASIP Conference focused on Speech and Image Processing, Multimedia Communications and Services, June 29 – July 2, 2005, Smolenice, Slovakia
  Chairman of section Telecommunications II, conference with international participation, Electrotechnics and Informatics 2005, Trenčín, Oct. 2005
  Chairman of section „Telecommunications and Electronics", conference of PhD. students with international participation EliTech 2005, Bratislava, Febr. 2005
- J. Pavlovičová: Opponent of the project for GA Czech Republic, Prague, August 2005
- J. Polec: Radioengineering, member of Editorial board
- J. Polec: Member of Group for Digital Broadcasting SR
- P. Podhradský: Membership in Conference Committees:
  International conference IWSSIP`2005, September 2005, Chalkida, Greece, member of Program committee and International review committee
  International conference ELMAR 2005, June 2005, Zadar, member of Program committee and International review committee,
  28th International Conference - TSP 2005 - Telecommunications and signal processing. Brno University of Technology, September 2005, Brno, member of scientific committee
  5th EURASIP Conference focused on Speech and Image Processing, Multimedia Communications and Services, Smolenice, June 29th - July 2nd 2005, general chairman of the conference and member of Program committee and International review committee
- P. Podhradský: vice chairman of the board of the State programme "Building of the Information Society",
- P. Podhradský: member of the Ministry board, Ministry of building industry and regional development SR
- R. Róka: Reviewer of the 10th International Scientific Conference COFAX Telecommunications 2004, Bratislava, Slovakia
- G. Rozinaj: Membership in Conference Committees:
  Conference ELOSYS, member of the Program committee and member of reviewing committee, chairman of the section
  International conference IWSSIP`2005, September 2005, Chalkida, Greece, member of Program committee, International review committee
  5th EURASIP Conference on Speech and Image Processing, Multimedia Communications and Services, Smolenice, 29 June-2 July 2005, chairman of Program committee, International review committee
  New Trends in Speech Processing, 6th Scientific Workshop, Bratislava, 6-7 April 2005, chairman of Program committee
- G. Rozinaj: Opponent of the projects for GA Czech Republic, Prague, July 2005

VIII. PUBLICATIONS

VIII.1 Journals

[1] BALÁŽ, R., BAROŇÁK, I.: QoS for Videoconference. In: EE - časopis pre elektrotechniku a energetiku. - Vol.11, Special Issue (2005) - pp. 184-186. (in Slovak)

[2] BANDZI, P.: Texture Segmentation - Survey. In: EE - časopis pre elektrotechniku a energetiku. - Vol.11, Special Issue (2005) - pp. 187-189. (in Slovak)

[3] BAROŇÁK, I., TRŠKA, R., KVAČKAJ, P.: CAC - Connection Admission Control in ATM Networks. In: Journal of Electrical Engineering. - Vol.56, No.5-6 (2005) - pp. 162-164. (in English)

[4] BESZÉDEŠ, M.: Active Appearance and Active Shape Models Application in Telecommunications. In: EE - časopis pre elektrotechniku a energetiku. - Vol.11, Special Issue (2005) - pp. 193-196. (in Slovak)

[5] BESZÉDEŠ, M., ORAVEC, M.: A System for Localization of Human Faces in Images Using Neural Networks. In: Journal of Electrical Engineering. - Vol.56, No.7-8 (2005) - pp. 195-199. (in English)

[6] BŘEZINA, A., POLEC, J., PAVLOVIČOVÁ, J., KOLINGEROVÁ, I., BANDZI, P.: Region-Based Texture Coding at Very Low Bitrates. In: Journal of Electrical Engineering. - Vol.56, No.1-2 (2005) - pp. 36-40. (in English)

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[8] BURDAN, T., MAČUHA, M., ORGOŇ, M.: Services and Security of the Electronic Banking in Slovakia. In: EE - časopis pre elektrotechniku a energetiku. - Vol.11, Special Issue (2005) - pp. 177-180. (in Slovak)

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