

**DEPARTMENT OF TELECOMMUNICATIONS**

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

**Head of Department**

**Prof. Ing. Ivan Baroňák, PhD.**

e-mail: [ivan.baronak@stuba.sk](mailto:ivan.baronak@stuba.sk)

Tel: +421-2-682 79 604

Fax: +421-2-682 79 601

**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., Doc. Ing. Jana Kotuliaková, PhD, Doc. Ing. Miloš Oravec, PhD., Doc. Ing. Miloš Orgoň, PhD., Doc. Ing. Jarmila Pavlovičová, PhD., Doc. Ing. Gregor Rozinaj, PhD., Doc. Ing. Ján Zodl, PhD.
Assistant Professors	Ing. Jozef Čepko, PhD., Ing. Jana Filanová, PhD., JUDr. Štefan Gyorgy, PhD., Ing. Michal Halás, PhD., Ing. Ján Hodál, Ing. Richard Chomist, PhD., Ing. Erik Chromý, PhD., Ing. Tomáš Janvars, Ing. Juraj Kačur, PhD., Ing. Juraj Mačica, Ing. Martin Medvecký, PhD., Ing. Matej Kavacký, PhD., Ing. Kvetoslava Kotuliaková, PhD., Ing. Jozef Oboňa, PhD., Ing. Michal Poľaško, PhD., Ing. Martin Rakús, PhD., Ing. Rastislav Róka, PhD., Ing. Eva Samuhelová, Ing. Peter Trúchly, PhD., Ing. Matúš Turcsány, PhD., Ing. Radoslav Vargic, PhD.
Research Workers	Ing. Matúš Kováčik, Ing. Ivan Kotuliak, 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. Mahmoud Aldaour, Ing. Marián Beniak, Ing. Peter Fizeľ, Ing. Viktor Janata, Ing. Martin Janošov, Ing. Ján Kőrösi, Ing. Bakyt Kyrbashov, Ing. Martin Mojzeš, Ing. Sandra Ondrušová, Ing. Michal Osadský, Ing. Andrej Páleník, Ing. Tomáš Páleník, Ing. Ján Poctavek, Ing. Renata Talafová, Ing. Róbert Tomek, Ing. Ján Vrabec, Ing. Juraj Vojtko, 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

**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 A4300L
- Private Telecommunication System ALCATEL A4400 PCX
- 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 (27 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
- FWA system VoIP via SANET
- Telecommunications Instructional Teaching Modelling System TIMS-301
- Spectral analyzer HP 3589A
- Laboratory NGN PABX OXE Communication Server (Connection among STU Bratislava)

### **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)	I. Baroňák, M.
Orgoň		
Communication and Information Networks	(4th sem., 3-2h)	M. Oravec
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
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
Integration and Convergence of Digital Networks and Services	(1st sem., 3-2h)	M. Oravec

Mobile and Satellite Communications II	(1st sem., 3-2h)	P. Farkaš
Selected Methods for 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
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
Neural Networks for Signal Processing	(3rd sem., 3-2h)	M. Oravec
Optical Communication Systems and Networks	(3rd sem., 3-2h)	J. Čuchran, R. Róka
Private Telecommunication Networks and Services	(3rd sem., 3-2h)	I. Baroňák
Selected Algorithms of Digital Image Processing	(3rd sem., 3-2h)	I. Bajla
Telecommunication Legislative	(3rd sem., 3-2h)	I. Baroňák
Telecommunication Systems Management	(3rd sem., 3-2h)	M. Medvecký
Wavelets and Filter Banks	(3rd sem., 3-2h)	R. Vargic

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

Telecommunication Technologies	(4th sem., 3-2h)	M. Medvecký, R. Róka
Data Communications I.	(5th sem., 4-2h)	R. Róka
Telecommunications Lines	(5th sem., 3-2h)	R. Róka
Transmission Systems	(6th sem., 3-2h)	R. Róka

### **III.4 Undergraduate Study (Bc. Distance Education Method)**

Telecommunications	(3rd year)	M. Orgoň
--------------------	------------	----------

## **IV. RESEARCH PROJECTS**

- Traffic in Converged Telecommunication Systems and Networks, VEGA 1/3118/06 (2006 - 2008), I. Baroňák
- Optimization Multimedia Traffic in NGN Network, AV-015-Bar (2007 - 2009), I. Baroňák
- Sophisticated Techniques for Transmission and Coding of Information in Telecommunications and Sensor Networks, VEGA 1/3113/06, (2006 - 2008), P. Farkaš
- Web Learning for Knowledge Transfer from Project FP 6 CRUISE, KEGA 3/4197/06, (2006 - 2008), P. Farkaš
- Algorithms and Methods of the Digital Signal Processing, Control Processes of the Converged Networks and NGN Platform and New Generation of the Multimedia Services and Applications, VEGA 1/3094/06 (2006-2008), P. Podhradský
- NGN – Multimedia, Multimedia ICT, Network Platforms, Multimedia Services and Network Security, ESF project, ITMS: 13120110126, No: DP 143/05-I/32-2.1 (2006-2008), P. Podhradský

- Non-linear Processing of Multimedia and Biomedical Signals in Telecommunications, VEGA 1/3110/06 (2006-2008), G. Rozinaj
- Measurement and Diagnostics of Speech Signal Prosody, AV123/06, (2006-2008), G. Rozinaj
- 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
- Recognition of Human Face Images as the Part of Biometric Methods for Increasing the Security of Open Society, VEGA 1/3117/06, (2006-2008), M. Oravec
- Innovative Communication Technologies in Metropolitan Environment Based on Optical and Wireless Technology with Focus on Converged Architectures, VEGA 1/4084/07, (2007-2009),  
I. Kotuliak
- Converged Technologies for Next Generation Networks (NGN), AV 4/0019/07, (2007-2009),  
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
- API
- Comenius University in Bratislava
- Council for Broadcasting and Retransmission
- DATA, Bratislava
- EMM Ltd., Bratislava
- Ericsson Slovakia, Bratislava
- GTS Nextra, jsc
- ITM, Ltd.
- Kapsch Telecom Ltd., Bratislava
- 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
- 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, jsc

- 
- Society of Lifelong Learning in Bratislava
  - Technical University in Košice
  - Telecommunication Office of Slovak Republic
  - Telecommunication Users Group Slovakia
  - Teleservis Ltd., Bratislava
  - Tesla, Liptovský Hrádok
  - T-Mobile Slovakia, jsc
  - University of Trnava
  - University of Žilina
  - Constantine the Philosopher University, Nitra
  - VegaCom Slovakia, jsc
  - Wavetek Wandel & Goltermann
  - WiMAX Slovakia

## V.2 International Cooperation

- Aalborg University Center for Person Kommunikation, Denmark
- Alcatel CIT, France
- Alcatel SEL, Stuttgart, Germany
- Alcatel Stuttgart, Germany
- ARC Seibersdorf research GmbH, Austria
- BITMEDIA e-learning solution, Schwarmstedt, Germany
- 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. Poľaško, M. Rakús, J. Čuchran, R. Róka, J. Oboňa, I. Kotuliak
- Czechoslovakia Section IEEE - Executive Committee Member responsible for Slovakia: M. Rakús
- Correspondent Member of the Croatian Academy of Engineering: P. Podhradský
- IET: G. Rozinaj, M. Oravec
- Executive committee member - CTF in Slovak Republic: Ivan 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] L. Alexová: Monitoring of routers and traffic analysis using XML (M. Poľaško)
- [2] M. Andrejco: End-to-End in MPLS networks (M. Orgoň)
- [3] L. Babka: End-to-End in MPLS networks (M. Medvecký)
- [4] P. Badinka: Private telecommunication networks services (M. Orgoň)
- [5] M. Badlik: Services at public telecommunication networks (M. Orgoň)
- [6] M. Banás: Application of wireless technology (P. Farkaš)
- [7] R. Bednár: Analysis of delay in mobile networks (M. Turcsány)
- [8] N. Bende: The solution for connecting analog CAS R2 PBX subscribers into NGN (R. Grznárik)
- [9] M. Beniak: Human face detection based on skin-color (J. Pavlovičová)
- [10] J. Benkovič: Analysis of ad-hoc networks performance (I. Kotuliak)
- [11] I. Bílik: Modelling of passive optical network with a ring topology (I. Kotuliak)
- [12] M. Blšák: Usage of ENUM DNS in IMS (M. Sedláček)
- [13] O. Briatka: Configuration and infrastructure design of TETRA radiocommunication system (R. Mráz)
- [14] M. Bukvaj: Analyser for network traffic in LAN network (M. Michalík)
- [15] P. Ceľuch: Creation of an interactive e-learning course about ZigBee (P. Farkaš)
- [16] M. Debnár: Electronic system for education of sensor networks (P. Farkaš)
- [17] T. Dobiš: Traffic protection in data transmission over optical medium (R. Róka)
- [18] R. Ďuris: Configuration and cross control PSI/SI in DVB (T. Černý)
- [19] P. Fidler: Design and analysis of adaptive ARQ/HARQ method (K. Kotuliaková)
- [20] B. Frátrik: Modification of audio signals using pseudoperiod measurement (M. Michalík)
- [21] L. Friesse: IP telephony (M. Orgoň)
- [22] M. Gálik: Videoconference and videoconference quality testing (J. Filanová)
- [23] R. Grieč: Analysis of the layer's model of the technology VDSL2 (R. Róka)

- [24] T. Grolmus: Creation of the telework conception for selected areas (P. Podhradský)
- [25] V. Hájovský: Analysis of hybrid ARQ for HSDPA concept (K. Kotuliaková)
- [26] K. Hasenöhrlová: Prediction algorithm application to segmented images (R. Pračko)
- [27] T. Hirner: A study on possibilities to use LDPC codes for unequal protection of telemetric information against errors in wireless sensor networks (P. Farkaš)
- [28] O. Hlinka: Codes for peak power control in multi-carrier systems (P. Švač, O. Hrdlička)
- [29] K. H. Hoang: Guarantee of quality of services for VoIP (M. Halás)
- [30] F. Husák: User equipment access to the LAN by using AAA and HSS server and complying IEEE 802.1X standard (A. Vrábel)
- [31] R. Jadrončík: Standardisation of interworking between private ISDN network and MGCP based IP network (P. Vilinský)
- [32] B. Jančovič: Information extraction from semi-structured Web documents (I. Pavelek)
- [33] M. Janík: Integration of SIP into the modules of IRKR system (G. Rozinaj)
- [34] V. Jarabý: Design module of digital filter for study purposes by electronic modular system EMONA-tims (M. Rakús)
- [35] M. Keszei: IMS kernel elements and protocols modelling (E. Mikóczy)
- [36] J. Knotek: System for automated red eye effect correction in digital photography (M. Beszédes)
- [37] M. Kováčik: Explicit routing in MPLS (M. Medvecký)
- [38] T. Kováčik: Measuring and evaluation of the traffic in LAN and IP networks (I. Kotuliak)
- [39] D. Králik: Analysis and simulation of decoding methods for Error Correcting Codes (J. Oboňa)
- [40] K. Krasňan: Security threats in VoIP networks (V. Ondruš)
- [41] M. Krhla: OpenSER based IBCF (R. Vargic)
- [42] R. Kurbel: Radio interface security in UMTS network (M. Turcsány)
- [43] J. Lašček: The applications of optical technologies in metropolitan area network (R. Róka)
- [44] F. Malý: NGN Lab platform management based on OSS platform (M. Leško)
- [45] J. Mareček: Evaluation of speech synthesis quality language (G. Rozinaj)
- [46] D. Martauz: Design and realization of optical access networks (J. Oravec)
- [47] P. Matus: Simulation of protocol TCP (P. Trúchly)
- [48] J. Mazanec: Face recognition in biometry based on methods PCA and SVM (M. Oravec)
- [49] M. Melišek: Face recognition in biometry based on methods LDA and SVM (M. Oravec)
- [50] L. Mochňák: Multiple access method for ad-hoc networks (P. Trúchly)
- [51] A. Nagy: Possible implementation of common converged solutions by operators T-Com and T-Mobile (I. Baroňák)
- [52] B. Noskovič: QoS in MPLS networks (M. Medvecký)
- [53] M. Ocef: Constellation of satellite systems (P. Trúchly)
- [54] S. Ondrušová: Object-oriented hierarchical encoder using shape transform and NURBS approximation (J. Polec)
- [55] M. Orth: Conversion from synchronized to asynchronous interfaces in power engineering data networks (M. Gábrišová)
- [56] M. Osadský: Fuzzy C-means for texture segmentation (P. Bandzi)
- [57] P. Ostertag: Tonal detection and identification in audio signals (R. Vargic)
- [58] M. Petráš: Time series predictions using neural networks (M. Oravec)

- [59] S. Petráš: Delivering Broadband and Triple Play services over IP networks (R. Hlubocký)
- [60] F. Pilka: Data prediction using artificial neural networks (M. Oravec)
- [61] M. Pleško: Emulation of packet delay in IP network (M. Poľaško)
- [62] J. Poctavek: Error rate measurement in wireless LAN network (P. Trúchly)
- [63] M. Pohančenič: Classified texture synthesis (J. Polec)
- [64] P. Pospíšil: Impact of the evolution of the multimedia services on the architecture of the backbone and access network (R. Róka)
- [65] V. Rácko: Facial feature detection using grey value pixel projections (J. Pavlovičová)
- [66] M. Sekereš: Encoding frontier areas by Bezier interpolation (J. Polec)
- [67] T. Schneider: System for automated red eye effect correction in digital photography (M. Beszédeš)
- [68] P. Sidor: VoIP technologies (M. Talanda)
- [69] J. Slovík: Simulation environment for demonstration of functions of convolution codes (J. Oboňa)
- [70] O. Slučiak: A digital watermarking in audio signals (R. Vargic)
- [71] J. Strežo: IP telephony security (M. Halás)
- [72] P. Šelc: The system interoperability of OXO and Asterisk (I. Baroňák)
- [73] Z. Šmilhák: Decomposing image segments methods for use in coding (J. Polec)
- [74] A. Šterbinský: Quality of connection in VoIP (M. Halás)
- [75] J. Štrba: Solution of convergence in private telecommunication networks (M. Orgoň)
- [76] J. Tomeček: Network coding (P. Farkaš)
- [77] I. Tošer: Hierarchical segmentation of color images (J. Pavlovičová)
- [78] M. Trnka: Traffic engineering in MPLS networks (M. Medvecký)
- [79] P. Valent: Texture segmentation (P. Bandzi)
- [80] M. Vanek: Decoding of LDPC codes using selected methods (P. Farkaš)
- [81] T. Varga: Optimisation of synthesized speech according to original (G. Rozinaj)
- [82] P. Vejmelka: Realization of e-learning system about security in wireless sensor networks (P. Farkaš)
- [83] J. Vlasák: Utilization of SIP protocol for IRKR communication (G. Rozinaj)
- [84] M. Vrzba: Analysis of latency in wireless local area networks (M. Turcsány)
- [85] J. Žoffčák: Testing web portal (J. Oboňa)

## VI.2 Doctoral Theses

- [1] R. Trška: Quality of Services in ATM (I. Baroňák)
- [2] S. Dlháň: Contribution to the Self-Correcting Coding in the BPL technology (J. Čuchran, R. Róka)
- [3] J. Čepko: Corpus Based Unit Selection Speech Synthesis (G. Rozinaj)
- [4] J. Oboňa: On Decoding of Linear Block Codes using Trellises (P. Farkaš)

## VII. OTHER ACTIVITIES

### VII.1 Conferences and Seminars Organized by the Department

- ELOSYS 2008, October 2008 Trenčín, Slovak Republic, (cooperation with FEI STU Bratislava)
- International Conference - RTT 2008 – Research in Telecommunication Technology 2008, September 2008, Vyhne, Slovak Republic

### VII.2 Special Lectures

- NGN – Multimedia, Multimedia ICT, Network Platforms, Multimedia Services and Network Security, ESF project, ITMS: 13120110126, No: DP 143/05-I/32-2.1 (January 2008 - September 2009, 126 persons), (P. Podhradský):  
Training module M1: Multimedia and Multimedia Technologies and Networks  
Training module M2: Converged Networks and NGN  
Training module M3: Access Network Technologies and Convergence Processes to NGN  
Training module M4: Transport Network Technologies and Convergence Processes to NGN  
Training module M5: Switching technologies and Convergence Processes to NGN  
Training module M6: NGN Application and Services  
Training module M7: Information Security in Multimedia.

### VII.3 Expertise, tenders, international and national commission members

- I.Barošák: ETS norms, member of National Committee TNK No. 41 for Telecommunications,  
Transformation of ETS Norms in National Environment
- I.Barošák: Award of J.Murgaš 2008: member of Committee MDPT SR a SES, Selection Candidate of Award of J.Murgaš for Year 2008
- I.Barošák: Member of Grant Committee of MDPT SR for Post, Telecommunication and Information Technologies. Bratislava, 2008
- I.Barošák: Member of the MDPaT SR Selection commission; selection of a company for the information campaign for introduction of digital TV broadcasting. Bratislava, 2008
- I.Barošák: Conference with International Participation: WDT 2008, May 2008, Bratislava, Slovak Republic, member of Program committee
- I.Barošák: Conference with International Participation: ELOSYS 2008, October 2008, Trenčín  
Slovak Republic, member of Program committee
- I.Barošák: International Conference - RTT 2008 – Research Telecommunication Technology 2008, Vyhne, Slovak Republic, September 2008, Chairman of Conference; member of Program Committee
- I.Barošák: 1st International Conference - NIMT 2008 – New Information and Multimedia Technologies, Brno University of Technology, September 2008, Brno, member of scientific Committee
- I.Barošák: ICETA 2008 – International Conference on Emerging Telecommunications Technologies and Applications, Košice, Slovak Republic, September 2008, member of Program Committee
- I.Barošák: Elektorevue, member of Editorial Board
- I.Barošák: VEGA, projects reviewer
- I.Barošák: APVV (Slovak Research and Development Agency), projects reviewer
- I.Barošák: GAČR (Grant Agency of Czech Republic), projects reviewer
- I.Barošák: State Programme of Research and Development, projects reviewer
- I.Barošák: Journal of Electrical Engineering, reviewer
- J.Čepko: Conference IWSSIP 2008, member of Program and Reviewers Committees, chairman of the section
- 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 Transactions on Signal Processing, reviewer  
P.Farkaš European Wireless Conference 2008, Prague, Czech republic, TPC member and reviewer  
P.Farkaš IEEE PIMRC 2008, Cannes, France, reviewer

- P.Farkaš ICSPCS 2008, Gold Coast, Australia, TPC member, Track chair 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  
P.Farkaš, IWSSIP 2008, member of Organizing and Reviewers Committees
- J.Kačur: IWSSIP 2008, member of Program Committee, chairman of the section
  - J.Körösi: IWSSIP 2008, chairman of the section
  - M.Medvecký: Conference IWSSIP 2008, member of Reviewers Committee
  - M.Oravec: Journal of Electrical Engineering, reviewer
  - M.Oravec: Radioengineering, reviewer
  - M.Oravec: ICSPCS International Conference on Signal Processing and Communication Systems 2008, reviewer
  - M.Oravec: IWSSIP 2008, member of Reviewers Committee, chairman of the section
  - M.Oravec: IEEE Transactions on Vehicular Technology, reviewer
  - M.Oravec: VEGA, projects reviewer
  - M.Oravec: GAČR (Grant Agency of Czech Republic), project reviewer
  - M.Oravec: Session Chair, session Image Feature/Object Detection and Recognition II, 15th International Conference on Systems, Signals and Image Processing, IWSSIP 2008, 26 June, 2008, Bratislava, Slovakia
  - M.Oravec: Session Chair, session Video Motion Estimation and Object Detection, 15th International Conference on Systems, Signals and Image Processing, IWSSIP 2008, 27 June 2008, Bratislava, Slovakia
  - J.Pavlovičová: GAČR (Grant Agency of Czech Republic), project reviewer
  - J.Pavlovičová: Conference IWSSIP 2008, member of Reviewers Committee, chairman of the section
  - A.Páleník: Conference IWSSIP 2008, member of Organizing Committee, chairman of the section
  - 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 2008, member of Program and Reviewers Committees
  - P.Podhradský: Conference ELMAR 2008, member of Program and Reviewers Committees
  - P.Podhradský: chairman of the board of the State programme 'Building of the Information Society'
  - 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: APVV (Slovak Research and Development Agency), projects reviewer
  - J.Polec: Foundation of SPP, projects reviewer
  - J.Polec: Conference IWSSIP 2008, member of Reviewers Committee, chairman of the section
  - 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 2008, member of Program and Reviewers Committees
  - G.Rozinaj: Journal of Electrical Engineering, reviewer
  - R.Róka: Journal of Electrical Engineering, reviewer
  - R.Róka: Conference IWSSIP 2008, member of Reviewers Committee, chairman of the section
  - R.Róka: Conference RTT 2008, member of Reviewers Committee
  - R.Róka: Conference ELOSYS 2008, chairman of the section
  - R.Talafová: Conference IWSSIP 2008, member of Organizing Committee, chairman of the section
  - P.Trúchly: Conference IWSSIP 2008, member of Program, Organizing and Reviewers Committees, chairman of the section

- M. Turi – Nagy: Conference IWSSIP 2008, member of Program, Organizing and Reviewers Committees, chairman of the section
- R.Vargic: Conference IWSSIP 2008, member of Program, Organizing and Reviewers Committees, chairman of the section
- J.Vojtko: Conference IWSSIP 2008, member of Organizing and Reviewers Committees, chairman of the section
- J.Vrabec: Conference IWSSIP 2008, member of Organizing Committee, chairman of the section
- J.Zodl: Conference IWSSIP 2008, member of Reviewers Committee

## **VIII. PUBLICATIONS**

### **VIII.1 Journals**

- [1] ALDAOUR, M., RÓKA, R.: Possibilities of the Utilization of DSM Techniques in VDSL and PLC Access Techniques. In: EE časopis pre elektrotechniku a energetiku. - ISSN 1335-2547. - Vol. 14, Special Issue (2008), p. 218-221. (in Slovak)
- [2] BAROŇÁK, I., KVAČKAJ, P.: A New CAC Method Using Queuing Theory. In: Radioengineering. - ISSN 1210-2512. - Vol. 17, No. 4 (2008), Part. II, s. 62-74. (in English)
- [3] CHROMÝ, E., BAROŇÁK, I.: Common Vitrual Path and Its Expedience for VBR Video Traffic. In: Radioengineering. - ISSN 1210-2512. - Vol. 17, No. 1. (2008), p. 73-77. (in English)
- [4] ČUHRAN, J.: The Analysis of Negative Influences in Homogeneous Symmetric Metallic Lines at the Signal Transmission in the Access Network by Means of xDSL Technologies. In: EE časopis pre elektrotechniku a energetiku. - ISSN 1335-2547. - Vol. 14, Special Issue (2008), p. 226-228. (in Slovak)
- [5] FILANOVÁ, J., MORDELOVÁ, A.: New Ways of Videoconferences Application for People with Hearing Disorders. In: EE časopis pre elektrotechniku a energetiku. - ISSN 1335-2547. - Vol. 14, Special Issue (2008), p. 246-249. (in Slovak)
- [6] HRADSKÁ, J., MEDVECKÝ, M.: Evaluation of QoS Mechanisms Used in Metropolitan and Transport Ethernet Networks. In: EE časopis pre elektrotechniku a energetiku. - ISSN 1335-2547. - Vol. 14, Special Issue (2008), p. 260-262. (in Slovak)
- [7] JAKUBOV, P., KOTULIAKOVÁ, K.: Utilization of SIP Protocol in Content Management. In: EE časopis pre elektrotechniku a energetiku. - ISSN 1335-2547. - Vol. 14, Special Issue (2008), p. 295-298. (in Slovak)
- [8] JANOŠOV, M., HUSÁK, M., FARKAŠ, P., ARMADA, A.G.: New [47, 15, 16] Linear Binary Block Code. In: IEEE Transactions on Information Theory. - ISSN 0018-9448. - Vol. 54, No. 1 (2008), p. 423-424. (in English)
- [9] JONIS, M., MEDVECKÝ, M.: Comparison of Traffic Routing in MPLS Networks Concerning QoS. In: EE časopis pre elektrotechniku a energetiku. - ISSN 1335-2547. - Vol. 14, Special Issue (2008), p. 250-254. (in Slovak)
- [10] KAVACKÝ, M., BAROŇÁK, I.: Evaluation of Two Statistical CAC Methods for Variable Bit Rate Traffic Sources. Journal of Electrical engineering, Vol. 59, No. 4, 2008, pp. 178-186. ISSN 1335-3632. (in English)
- [11] KOTULIAKOVÁ, K., HÁJOVSKÝ, V., KOTULIAK, I.: Simulation of ARQ and HARQ Schemes with Various Block Length. In: Journal of Electrical Engineering. - ISSN 1335-3632. - Vol. 59, No. 2 (2008), p. 101-103. (in English)

- 
- [12] KOVÁČ, A., HALÁS, M.: Speech Service Quality Assurance in VoIP. In: EE časopis pre elektrotechniku a energetiku. - ISSN 1335-2547. - Vol. 14, Special Issue (2008), p. 290-294. (in Slovak)
- [13] L'UPTÁK, A., ORGOŇ, M.: Web Portal of the Department of Slovak Language at FiF UK Bratislava. In: EE časopis pre elektrotechniku a energetiku. - ISSN 1335-2547. - Vol. 14, Special Issue (2008), p. 263-267. (in Slovak)
- [14] MAČUHA, M., ORGOŇ, M.: Communication Services by SMS. In: EE časopis pre elektrotechniku a energetiku. - ISSN 1335-2547. - Vol. 14, No. 4 (2008), p. 42-45. (in Slovak)
- [15] MAČUHA, M., ORGOŇ, M.: OTA Server. In: EE časopis pre elektrotechniku a energetiku. - ISSN 1335-2547. - Vol. 14, No. 4 (2008), p. 45-48. (in Slovak)
- [16] MAZANEC, J., MELIŠEK, M., ORAVEC, M., PAVLOVIČOVÁ, J.: Support Vector machines, PCA and LDA in Face Recognition. In: Journal of Electrical Engineering. - ISSN 1335-3632. - Vol. 59, No. 4 (2008), p. 203-209. (in English)
- [17] ORAVEC, M., KRIŠTOF, B., KOLÁRIK, M., PAVLOVIČOVÁ, J.: Extraction of Facial Features from Color Images. In: Radioengineering. - ISSN 1210-2512. - Vol. 17, No. 3 (2008), p. 115-120. (in English)
- [18] ORAVEC, M., PETRÁŠ, M., PILKA, F.: Video Traffic Prediction Using Neural Networks. In: Acta Polytechnica Hungarica. - ISSN 1785-8860. - Vol. 5, No. 4 (2008), p. 59-78. (in English)
- [19] POCTAVEK, J., TRÚCHLY, P.: Error Rate of Wireless Channel. In: EE časopis pre elektrotechniku a energetiku. - ISSN 1335-2547. - Vol. 14, Special Issue (2008), p. 232-236. (in Slovak)
- [20] RÓKA, R., URMINSKÝ, J.: Experimental Measurements for Verification of the Parametric Model for Reference Channels in the Real PLC Environment. In: Journal of Electrical Engineering. - ISSN 1335-3632. - Vol. 59, No. 3 (2008), p. 146-152. (in English)
- [21] RÓKA, R.: The Parametric Model for PLC Reference Channels and Its Verification in the Real PLC Environment. In: Advances in Electrical and Electronic Engineering. - ISSN 1336-1376. - Vol. 7, No. 1-2 (2008), p. 40-43. (in English)
- [22] VIDO, P., ORGOŇ, M.: Development of 4th Generation Mobile Networks and Their Security. In: EE časopis pre elektrotechniku a energetiku. - ISSN 1335-2547. - Vol. 14, Special Issue (2008), p. 255-259. (in Slovak)
- [23] VOLENÍK, M., ORGOŇ, M.: Protection of the Internet Communication and Web Server. In: EE časopis pre elektrotechniku a energetiku. - ISSN 1335-2547. - Vol. 14, Special Issue (2008), p. 268-272. (in Slovak)
- [24] ŽIŽÁK, J., RÓKA, R.: The HPON Architecture and Possibilities of Its Simulation. In: EE časopis pre elektrotechniku a energetiku. - ISSN 1335-2547. - Vol. 14, Special Issue (2008), p. 222-225. (in Slovak)

## VIII.2 Conference Proceedings

- [1] ADAMKO, D., KUBICA, J., ORGOŇ, M.: Design and Realization of the Portal with an Implementation of the Connect Management System. In: Proceedings ŠVOČ 2008. Bratislava, Slovak Republic, 23.4.2008. - Bratislava: STU, 2008. - ISBN 978-80-227-2865-2. - CD-Rom. (in Slovak)
- [2] BAROŇÁK, I., FERENCZYOVÁ, I.: Implementation of Contact Centre to Healthcare Sector. In: ICETA 2008: 6th International Conference on Emerging e-Learning Technologies and Applications. High Tatras, Slovak Republic, 11.-13.9.2008. - Košice: Elfa, 2008. - ISBN 978-

- 
- 80-8086-089-9. - CD-Rom. (in English)
- [3] BAROŇÁK, I., JÁNOŠ, P.: NGN Infrastructure in the Region. In: New Information and Multimedia Technologies. NIMT - 2008: Brno, Czech Republic, 18.-19.9.2008. - Brno: University of Technology, 2008. - ISBN 978-80-214-3708-1. - p. 19-28. (in English)
- [4] BENIAK, M., PAVLOVIČOVÁ, J., ORAVEC, M.: Automatic Face Detection Based on Chrominance Components Analysis. In: IWSSIP 2008. 15th International Workshop on Systems, Signals and Image Processing: Bratislava, Slovak Republic, 25.-28.6.2008. - Bratislava: STU, 2008. - ISBN 978-80-227-2856-0. - p. 475-478. (in English)
- [5] ČEPKO, J., TALAFOVÁ, R., VRABEC, J.: Indexing Join Costs for Faster Unit Selection Synthesis. In: IWSSIP 2008. 15th International Workshop on Systems, Signals and Image Processing: Bratislava, Slovak Republic, 25.-28.6.2008. - Bratislava: STU, 2008. - ISBN 978-80-227-2856-0. - p. 503-506. (in English)
- [6] ČEPKO, J., PÁLENÍK, A., TURI NAGY, M.: Using CART to Model Duration of Phonemes in Slovak Speech Synthesis. In: Proceedings Redžúr 2008: 2nd International Workshop on Speech and Signal Processing. Bratislava, Slovak Republic, 16.5.2008. - Bratislava: STU, 2008. - p. 32-36. (in English)
- [7] CHOCHELINSKI, R., BAROŇÁK, I.: Private Telecommunication Network and NGN. In: Proceedings ŠVOČ 2008. Bratislava, Slovak Republic, 23.4.2008. - Bratislava: STU, 2008. - ISBN 978-80-227-2865-2. - CD-Rom. (in Slovak)
- [8] CHOCHELINSKI, R., BAROŇÁK, I.: Private Telecommunication Network Based on NGN. In: New Information and Multimedia Technologies. NIMT - 2008: Brno, Czech Republic, 18.-19.9.2008. - Brno: University of Technology, 2008. - ISBN 978-80-214-3708-1. - p. 4-14. (in English)
- [9] CHROMÝ, E., KAVACKÝ, M., BAROŇÁK, I.: Description of Traffic in ATM Networks by the First Erlang Formula. In: 5th International Conference on Information Technology and Applications: Cairns, Australia, 23.-26.6.2008. - ICITA, 2008. - ISBN 978-09803267-2-7. - p. 518-522. (in English)
- [10] CHROMÝ, E., BAROŇÁK, I.: The First Erlang Formula and Traffic Description in Asynchronous Networks. In: ICSES 2008 International Conference on Signals and Electronic Systems: Krakow, Poland, 14.-17.9.2008. - Krakow: AGH University of Science and Technology, 2008. - ISBN 978-83-88309-47-2. - p. 435-438. (in English)
- [11] ČUCHRAN, J.: The Effective Utilization of Homogeneous Metallic Symmetric Lines by Means of xDSL Technologies. In: RTT 2008. Research in Telecommunication Technology: 9th International Conference. Vyhne, Slovak Republic, 10.-12.9.2008. - Bratislava: STU, 2008. - ISBN 978-80-227-2939-0. - p. 23-25. (in Slovak)
- [12] FARKAŠ, P., TURCSÁNY, M., JANVARS, T.: A Hybrid DSSS/TDMA 2-Layer WSN Architecture with Implicit Addressing and Error Correction Control. In: 11th International Symposium on Wireless Personal Multimedia Communications (WPMC'08): Lapland, Finland, 8.-11.9.2008. - Oulu: University of Oulu, 2008. - CD-Rom. (in English)
- [13] FARKAŠ, P., YASSINE, A., TRAN, V.P.: Hybrid ARQ Error Control for Broadcast or Multicast in Wireless Networks. In: IWSSIP 2008. 15th International Workshop on Systems, Signals and Image Processing: Bratislava, Slovak Republic, 25.-28.6.2008. - Bratislava: STU, 2008. - ISBN 978-80-227-2856-0. - p. 373-376. (in English)
- [14] FERENCZYOVÁ, I., BAROŇÁK, I.: Call Center - Implementation. In: Proceedings ŠVOČ 2008. Bratislava, Slovak Republic, 23.4.2008. - Bratislava: STU, 2008. - ISBN 978-80-227-2865-2. - CD-Rom. (in Slovak)

- 
- [15] GLOSSNER, J., IANCU, D., MOUDGILL, M., JINTURKAR, S., NACER, G., STANLEY, A.I., YE, H., SCHULTE, M., SIMA, M., PÁLENÍK, T., FARKAŠ, P., TAKALA, J.: Implementing Communications Systems on an SDR SoC. In: ICASSP 2008. IEEE International Conference on Acoustics, Speech & Signal Processing: Las Vegas, USA, 30.3.-4.4.2008. - Piscataway: IEEE, 2008. - ISBN 1/4244-1484-9. - CD-Rom. (in English)
- [16] GRAJCIAR, P., ORAVEC, M., PAVLOVIČOVÁ, J.: Video Traffic in Wireless Networks. In: RTT 2008. Research in Telecommunication Technology: 9th International Conference. Vyhne, Slovak Republic, 10.-12.9.2008. - Bratislava: STU, 2008. - ISBN 978-80-227-2939-0. - p. 46-49. (in English)
- [17] HÁJOVSKÝ, V., KOTULIAKOVÁ, K., KOTULIAK, I.: HARQ Schemes for HSDPA - Analysis and Simulation. In: Proceedings Elmar-2008: 50th International Symposium ELMAR-2008, Zadar, Croatia, 10.-12.9.2008. - Zadar: Croatian Society Electronics in Marine, 2008. - ISBN 978-953-7044-09-1. - Vol. 2, p.557-560. (in English)
- [18] HALÁS, M., KYRBASHOV, B., KOVÁČIK, M.: Influence of Encryption on VoIP Connection Quality. In: RTT 2008. Research in Telecommunication Technology: 9th International Conference. Vyhne, Slovak Republic, 10.-12.9.2008. - Bratislava: STU, 2008. - ISBN 978-80-227-2939-0. - p. 50-53. (in English)
- [19] JANATA, J., VRABEC, J.: Application of Beamforming Methods in Speech Analysis (Delay & Sum Beamformer). In: Proceedings Redžúr 2008: 2nd International Workshop on Speech and Signal Processing. Bratislava, Slovak Republic, 16.5.2008. - Bratislava: STU, 2008. - p. 9-12. (in English)
- [20] JANATA, V.: MPLS LSR & Management Information Base. In: RTT 2008. Research in Telecommunication Technology: 9th International Conference. Vyhne, Slovak Republic, 10.-12.9.2008. - Bratislava: STU, 2008. - ISBN 978-80-227-2939-0. - p. 92-95. (in English)
- [21] JÁNOŠ, P., BAROŇÁK, I.: NGN - Building of Infrastructure. In: Proceedings ŠVOČ 2008. Bratislava, Slovak Republic, 23.4.2008. - Bratislava: STU, 2008. - ISBN 978-80-227-2865-2. - CD-Rom. (in Slovak)
- [22] JESENSKÝ, T., ČEPKO, J.: Spoken Dialog System for Retrieval of Exchange Rates. In: Proceedings ŠVOČ 2008. Bratislava, Slovak Republic, 23.4.2008. - Bratislava: STU, 2008. - ISBN 978-80-227-2865-2. - CD-Rom. (in Slovak)
- [23] JESENSKÝ, T., ČEPKO, J., ROZINAJ, G.: Intelligent Interface for Communication with Computer in Application of Exchange Rates Retrieval. In: Proceedings Redžúr 2008: 2nd International Workshop on Speech and Signal Processing. Bratislava, Slovak Republic, 16.5.2008. - Bratislava: STU, 2008. - p. 5-8. (in English)
- [24] JONIS, M., MEDVECKÝ, M.: Routing in MPLS Networks. In: Proceedings ŠVOČ 2008. Bratislava, Slovak Republic, 23.4.2008. - Bratislava: STU, 2008. - ISBN 978-80-227-2865-2. - CD-Rom. (in Slovak)
- [25] KAČUR, J.: Adjusted Training of HMM Models for Slovak Speech Recognition System. In: ICSPCS'2008: 2nd International Conference on Signal Processing and Communication Systems. Gold Coast, Australia, 15.-17.12.2008. - Tarravanna: DSP for Communication systems, 2008. - ISBN 978-09756934-6-9. - CD-Rom. (in English)
- [26] KAČUR, J., ČEPKO, J., PÁLENÍK, A.: Automatic Labeling Schemes for Concatenative Speech Synthesis. In: Proceedings Elmar-2008: 50th International Symposium ELMAR-2008, Zadar, Croatia, 10.-12.9.2008. - Zadar: Croatian Society Electronics in Marine, 2008. - ISBN 978-953-7044-09-1. - Vol. 2, p.639-642. (in English)
- [27] KAČUR, J., VOJTKO, J.: Efficient Adaptations of the Sphinx Train Procedure for Building a

- Robust ASR System in Slovak. In: IWSSIP 2008. 15th International Workshop on Systems, Signals and Image Processing: Bratislava, Slovak Republic, 25.-28.6.2008. - Bratislava: STU, 2008. - ISBN 978-80-227-2856-0. - ISBN 978-80-227-2880-5. - p. 1-4. (in English)
- [28] KAVACKÝ, M., BAROŇÁK, I.: Applied Utilization of Traffic Management Simulations for Education Purposes. In: Ročenka 2007. Fórum pre komunikačné technológie. Banská Bystrica, DALI-BB, Ltd., 2008. - ISBN 978-80-89090-39-6.. - p. 38-48. (in Slovak)
- [29] KAVACKÝ, M., CHROMÝ, E.: Modelling of ATM Switch. In: RTT 2008. Research in Telecommunication Technology: 9th International Conference. Vyhne, Slovak Republic, 10.-12.9.2008. - Bratislava: STU, 2008. - ISBN 978-80-227-2939-0. - p. 103-107. (in English)
- [30] KAVACKÝ, M.: Performance Simulations of ATM Switch Model. In: ICETA 2008: 6th International Conference on Emerging e-Learning Technologies and Applications. High Tatras, Slovak Republic, 11.-13.9.2008. - Košice: Elfa, 2008. - ISBN 978-80-8086-089-9. - p. 123-126. (in English)
- [31] KÖRÖSI, J.: Increase of Speed in Speech Recognition. In: Proceedings Redžúr 2008: 2nd International Workshop on Speech and Signal Processing. Bratislava, Slovak Republic, 16.5.2008. - Bratislava: STU, 2008. - p. 61-64. (in English)
- [32] KOTULIAKOVÁ, K., POLEC, J.: Analysis of HARQ Schemes Using Reed-Solomon Codes. In: IWSSIP 2008. 15th International Workshop on Systems, Signals and Image Processing: Bratislava, Slovak Republic, 25.-28.6.2008. - Bratislava: STU, 2008. - ISBN 978-80-227-2856-0. - p. 323-326. (in English)
- [33] KOVÁČ, L., PICOVÁ, P., KAČUR, J.: Automatic Speech Recognition Using Hidden Markov Models. In: Proceedings Redžúr 2008: 2nd International Workshop on Speech and Signal Processing. Bratislava, Slovak Republic, 16.5.2008. - Bratislava: STU, 2008. - p. 25-27. (in English)
- [34] KOVÁČIK, T., KOTULIAK, I., PODHRADSKÝ, P.: Real-Time Traffic Analysis in Ethernet. In: IWSSIP 2008. 15th International Workshop on Systems, Signals and Image Processing: Bratislava, Slovak Republic, 25.-28.6.2008. - Bratislava: STU, 2008. - ISBN 978-80-227-2856-0. - p. 69-72. (in English)
- [35] KRHLA, M., VARGIC, R.: IMS Interconnection Based on IBCF. In: RTT 2008. Research in Telecommunication Technology: 9th International Conference. Vyhne, Slovak Republic, 10.-12.9.2008. - Bratislava: STU, 2008. - ISBN 978-80-227-2939-0. - p. 126-129. (in English)
- [36] KRULIKOVSKÁ, L., PAVLOVIČ, J., CHROMÝ, E.: AC Methods in IP Networks. In: Proceedings ŠVOČ 2008. Bratislava, Slovak Republic, 23.4.2008. - Bratislava: STU, 2008. - ISBN 978-80-227-2865-2. - CD-Rom. (in Slovak)
- [37] KRULIKOVSKÁ, L., FILANOVÁ, J.: The Comparison of Evolution Strategies and Prim Algorithm for Purposes of the Optimizing Multipoint Connection. In: RTT 2008. Research in Telecommunication Technology: 9th International Conference. Vyhne, Slovak Republic, 10.-12.9.2008. - Bratislava: STU, 2008. - ISBN 978-80-227-2939-0. - p. 134-139. (in English)
- [38] LÁBAJ, O., PODHRADSKÝ, P., MIKÓCZY, E., TRÚCHLY, P.: Exception Violations in Voice over IP Telephony. In: Proceedings Elmar-2008: 50th International Symposium ELMAR-2008. Zadar, Croatia, 10.-12.9.2008. - Zadar: Croatian Society Electronics in Marine, 2008. - ISBN 978-953-7044-09-1. - Vol. 2, p.553-556. (in English)
- [39] LEVICKÝ, D., PODHRADSKÝ, P., RIDZOŇ, R., TRÚCHLY, P., GAMEC, J.: Vocational Training and Certification in ICT Based on the e-Learning. In: Proceedings Elmar-2008: 50th International Symposium ELMAR-2008. Zadar, Croatia, 10.-12.9.2008. - Zadar: Croatian Society Electronics in Marine, 2008. - ISBN 978-953-7044-09-1. - Vol. 2, p.365-367. (in English)

- 
- [40] MAČICA, J.: Algorithm for Bit Stuffing Method for Filling 2D RLL Constrained Areas. In: RTT 2008. Research in Telecommunication Technology: 9th International Conference. Vyhne, Slovak Republic, 10.-12.9.2008. - Bratislava: STU, 2008. - ISBN 978-80-227-2939-0. - p. 173-176. (in English)
- [41] MARDIAK, M., FILANOVÁ, J.: Quality of a Video Signal. In: New Information and Multimedia Technologies. NIMT - 2008: Brno, Czech Republic, 18.-19.9.2008. - Brno: University of Technology, 2008. - ISBN 978-80-214-3708-1. - p. 33-37. (in English)
- [42] MEDVECKÝ, M.: Performance of MAR Bandwidth Constraints Model for MPLS Traffic Engineering. In: New Information and Multimedia Technologies. NIMT - 2008: Brno, Czech Republic, 18.-19.9.2008. - Brno: University of Technology, 2008. - ISBN 978-80-214-3708-1. - p. 15-18. (in English)
- [43] MEDVECKÝ, M.: The Impact of Traffic Routing in MPLS Networks to QoS. In: RTT 2008. Research in Telecommunication Technology: 9th International Conference. Vyhne, Slovak Republic, 10.-12.9.2008. - Bratislava: STU, 2008. - ISBN 978-80-227-2939-0. - p. 187-191. (in English)
- [44] MIKÓCZY, E.: Next Generation of Multimedia Services - NGN Based IPTV Architecture. In: IWSSIP 2008. 15th International Workshop on Systems, Signals and Image Processing: Bratislava, Slovak Republic, 25.-28.6.2008. - Bratislava: STU, 2008. - ISBN 978-80-227-2856-0. - p. 523-526. (in English)
- [45] MORDELOVÁ, A., FILANOVÁ, J.: New Ways of Videoconference Application. In: Proceedings ŠVOČ 2008. Bratislava, Slovak Republic, 23.4.2008. - Bratislava: STU, 2008. - ISBN 978-80-227-2865-2. - CD-Rom. (in Slovak)
- [46] MRAČKA, I., ORAVEC, M.: Classification of Traffic of Communication Networks by Multilayer Perceptron. In: New Information and Multimedia Technologies. NIMT - 2008: Brno, Czech Republic, 18.-19.9.2008. - Brno: University of Technology, 2008. - ISBN 978-80-214-3708-1. - p. 46-49. (in English)
- [47] MRAČKA, I., ORAVEC, M.: Neural Networks in Classification of Traffic of Communication Network. In: Proceedings ŠVOČ 2008. Bratislava, Slovak Republic, 23.4.2008. - Bratislava: STU, 2008. - ISBN 978-80-227-2865-2. - CD-Rom. (in Slovak)
- [48] MULINKA, P., KAČUR, J.: A Brief Overview of Speaker Identification Problem. In: Proceedings Redžúr 2008: 2nd International Workshop on Speech and Signal Processing. Bratislava, Slovak Republic, 16.5.2008. - Bratislava: STU, 2008. - p. 22-24. (in English)
- [49] MURÁŇ, J., RAKÚS, M.: Educational Software for Hard Decoding of Convolutional Codes. In: Proceedings ŠVOČ 2008. Bratislava, Slovak Republic, 23.4.2008. - Bratislava: STU, 2008. - ISBN 978-80-227-2865-2. - CD-Rom. (in Slovak)
- [50] ORGOŇ, M., MAČUHA, M.: Anycast Routing in Mobile Networks. In: RTT 2008. Research in Telecommunication Technology: 9th International Conference. Vyhne, Slovak Republic, 10.-12.9.2008. - Bratislava: STU, 2008. - ISBN 978-80-227-2939-0. - p. 231-234. (in English)
- [51] OSADSKÝ, M., POLEC, J.: Texture Segmentation. In: Proceedings ŠVOČ 2008. Bratislava, Slovak Republic, 23.4.2008. - Bratislava: STU, 2008. - ISBN 978-80-227-2865-2. - CD-Rom. (in Slovak)
- [52] OSTERTAG, P., VARGIC, R.: Tone Detection Using Block Size Optimised Constant-Q Transform. In: Proceedings Redžúr 2008: 2nd International Workshop on Speech and Signal Processing. Bratislava, Slovak Republic, 16.5.2008. - Bratislava: STU, 2008. - p. 54-56.

(in English)

- [53] PÁLENÍK, T.: Alternative Decoding of RSC Based Turbo Codes. In: RTT 2008. Research in Telecommunication Technology: 9th International Conference. Vyhne, Slovak Republic, 10.-12.9.2008. - Bratislava: STU, 2008. - ISBN 978-80-227-2939-0. - p. 238-241. (in English)
- [54] PÁLENÍK, T.: Decoding Convolutional Codes Using an LDPC Decoder. In: Telecommunications and Signal Processing TSP-2008: 31st International Conference. Parádfürdö, Hungary, 3.-4.9.2008. - Brno: VUT, 2008. - ISBN 978-963-06-5487-6. - CD-Rom. (in English)
- [55] PÁLENÍK, T.: Matrix Modeling of OFDM Transmission. In: ELITECH '08: PhD Students Conference. Bratislava, Slovak Republic, 20.5.2008. - Bratislava: STU, 2008. - ISBN 978-80-227-2878-2. - CD-Rom. (in English)
- [56] PAVLOVIČ, J., MEDVECKÝ, M.: Comparison of MAM and RDM Models from the Point of Quality of af Service in MPLS Networks. In: Proceedings ŠVOČ 2008. Bratislava, Slovak Republic, 23.4.2008. - Bratislava: STU, 2008. - ISBN 978-80-227-2865-2. - CD-Rom. (in Slovak)
- [57] PAVLOVIČOVÁ, J., ORAVEC, M., MIŤKO, P.: Digital Filters Visualization in Z-Plane. In: RTT 2008. Research in Telecommunication Technology: 9th International Conference. Vyhne, Slovak Republic, 10.-12.9.2008. - Bratislava: STU, 2008. - ISBN 978-80-227-2939-0. - p. 251-253. (in English)
- [58] PINTÉR, A., PAVLOVIČOVÁ, J.: Morphological Operations in Preprocessing of Greylevel Images. In: Proceedings ŠVOČ 2008. Bratislava, Slovak Republic, 23.4.2008. - Bratislava: STU, 2008. - ISBN 978-80-227-2865-2. - CD-Rom. (in Slovak)
- [59] PODHRADSKÝ, P., KOTULIAK, I., MIKÓCZY, E.: New Trends in NGN Technologies and Network Platforms. In: Proceedings Elmar-2008: 50th International Symposium ELMAR-2008. Zadar, Croatia, 10.-12.9.2008. - Zadar: Croatian Society Electronics in Marine, 2008. - ISBN 978-953-7044-09-1. - Vol. 2, p.539-544. (in English)
- [60] POLÁČEK, P., BAROŇÁK, I.: CAC in ATM - The Diffuse method. In: Ročenka 2007. Fórum pre komunikačné technológie. Banská Bystrica, DALI-BB, Ltd., 2008. - ISBN 978-80-89090-39-6.. - p. 49-54. (in Slovak)
- [61] POLEC, J., PRAČKO, R.: Correlation Optimized Scanning with Segment Reorganization. In: RTT 2008. Research in Telecommunication Technology: 9th International Conference. Vyhne, Slovak Republic, 10.-12.9.2008. - Bratislava: STU, 2008. - ISBN 978-80-227-2939-0. - p. 280-284. (in English)
- [62] POLEC, J., KARLUBÍKOVÁ, T., ONDRUŠOVÁ, S., KOTULIAKOVÁ, K.: Error Evaluation of Object Contour. In: RTT 2008. Research in Telecommunication Technology: 9th International Conference. Vyhne, Slovak Republic, 10.-12.9.2008. - Bratislava: STU, 2008. - ISBN 978-80-227-2939-0. - p. 270-274. (in English)
- [63] POLEC, J., ONDRUŠOVÁ, S., KOTULIAKOVÁ, K., HELEŠOVÁ, N., KARLUBÍKOVÁ, T.: Hierarchical Transform Coding Using NURBS Approximation. In: Proceedings Elmar-2008: 50th International Symposium ELMAR-2008. Zadar, Croatia, 10.-12.9.2008. - Zadar: Croatian Society Electronics in Marine, 2008. - ISBN 978-953-7044-09-1. - Vol.1, p.65-68. (in English)
- [64] POLEC, J., KARLUBÍKOVÁ, T., ONDRUŠOVÁ, S., KOTULIAKOVÁ, K.: New Objective Criterion for Error Evaluation of Video Object Contour. In: IWSSIP 2008. 15th International Workshop on Systems, Signals and Image Processing: Bratislava, Slovak Republic, 25.-28.6.2008. - Bratislava: STU, 2008. - ISBN 978-80-227-2856-0. - p. 237-240. (in English)
- [65] POLEC, J., POHANČENÍK, M., FLOREKOVÁ, Ž., KARLUBÍKOVÁ, T., ONDRUŠOVÁ,

- S., KOTULIAKOVÁ, K.: Restoration of Missing Texture Image Segments. In: RTT 2008. Research in Telecommunication Technology: 9th International Conference. Vyhne, Slovak Republic, 10.-12.9.2008. - Bratislava: STU, 2008. - ISBN 978-80-227-2939-0. - p. 275-279. (in English)
- [66] PRAČKO, R., POLEC, J.: Correlation Optimized Scanning of Segmented Images. In: IWSSIP 2008. 15th International Workshop on Systems, Signals and Image Processing: Bratislava, Slovak Republic, 25.-28.6.2008. - Bratislava: STU, 2008. - ISBN 978-80-227-2856-0. - p. 9-12. (in English)
- [67] RÁČKO, V., PAVLOVIČOVÁ, J.: Facial Feature Detection Using Gray Value Projections. In: Proceedings ŠVOČ 2008. Bratislava, Slovak Republic, 23.4.2008. - Bratislava: STU, 2008. - ISBN 978-80-227-2865-2. - CD-Rom. (in English)
- [68] RÓKA, R.: Possibilities and Perspectives of Hybrid Passive Optical Networks in Real Operations. In: RTT 2008. Research in Telecommunication Technology: 9th International Conference. Vyhne, Slovak Republic, 10.-12.9.2008. - Bratislava: STU, 2008. - ISBN 978-80-227-2939-0. - p. 308-311. (in English)
- [69] RÓKA, R.: The Utilization of the Vectored DMT for the FEXT-Free Signal Transmission by Means of the VDSL Technology. In: IWSSIP 2008. 15th International Workshop on Systems, Signals and Image Processing: Bratislava, Slovak Republic, 25.-28.6.2008. - Bratislava: STU, 2008. - ISBN 978-80-227-2856-0. - p. 299-302. (in English)
- [70] SESTIERKA, M., ORAVEC, M.: IEEE 802.11 MAC Sublayer Simulation for Different Traffic Types. In: Proceedings ŠVOČ 2008. Bratislava, Slovak Republic, 23.4.2008. - Bratislava: STU, 2008. - ISBN 978-80-227-2865-2. - CD-ROM. (in English)
- [71] ŠIMLAŠTÍKOVÁ, D., KOTULIAKOVÁ, K.: Evaluation of ARQ Methods. In: Proceedings ŠVOČ 2008. Bratislava, Slovak Republic, 23.4.2008. - Bratislava: STU, 2008. - ISBN 978-80-227-2865-2. - CD-Rom. (in Slovak)
- [72] SIMONIDES, J., POLEC, J.: Image Approximation Using Delaunay Triangulation. In: Proceedings ŠVOČ 2008. Bratislava, Slovak Republic, 23.4.2008. - Bratislava: STU, 2008. - ISBN 978-80-227-2865-2. - CD-Rom. (in English)
- [73] SLUČIAK, O., VARGIC, R.: An Audio Watermarking Method Based on Wavelet Patchwork Algorithm. In: IWSSIP 2008. 15th International Workshop on Systems, Signals and Image Processing: Bratislava, Slovak Republic, 25.-28.6.2008. - Bratislava: STU, 2008. - ISBN 978-80-227-2856-0. - p. 117-120. (in English)
- [74] ŠPILKOVÁ, A., VACHO, I., ROZINAJ, G., TALAFOVÁ, R.: Multimedia Reading of SMS in Mobile Phone. In: Proceedings Redžúr 2008: 2nd International Workshop on Speech and Signal Processing. Bratislava, Slovak Republic, 16.5.2008. - Bratislava: STU, 2008. - p. 39-42. (in English)
- [75] STRAKA, M., KLÚČOVSKÝ, D., KAČUR, J.: Criteria and Methods for Comparison of Sound Formats. In: Proceedings Redžúr 2008: 2nd International Workshop on Speech and Signal Processing. Bratislava, Slovak Republic, 16.5.2008. - Bratislava: STU, 2008. - p. 19-21. (in English)
- [76] STUHLÍKOVÁ, L., KRÁLIKOVÁ, E., ČERVEŇOVÁ, J., SAMUHELOVÁ, E., ONDRÁŠOVÁ, I., PECHÁČEK, J.: Teachers as e-Learning Course Creators. In: Innovation Process in e-Learning. - Bratislava: Ekonomická univerzita, 2008. - ISBN 978-80-225-2510-7. - p. 102-106. (in Slovak)
- [77] ŠURÁŇ, J., CHROMÝ, E.: Design of VBR Video Source Model for Simulation Needs. In: Proceedings ŠVOČ 2008. Bratislava, Slovak Republic, 23.4.2008. - Bratislava: STU, 2008. - ISBN 978-80-227-2865-2. - CD-Rom. (in Czech)
- [78] SYNAK, D., PÁLENÍK, A.: Analysis of Melodic Contours in Slovak Language.

- In: Proceedings Redžúr 2008: 2nd International Workshop on Speech and Signal Processing. Bratislava, Slovak Republic, 16.5.2008. - Bratislava: STU, 2008. - p. 28-32. (in English)
- [79] TALAFOVÁ, R., ROZINAJ, G., ČEPKO, J.: Method of Face Animation and Deformation in Talking Head. In: Signal and Image Processing: 10th IASTED International Conference. Hawaii, USA, 18.-20.8.2008. - Anaheim: ACTA Press, 2008. - p. 124-127. (in English)
- [80] TALAFOVÁ, R., WOLF, M., ZELENÁK, M., ROZINAJ, G.: Sinusoidal Modeling for Speech Compression. In: Proceedings Redžúr 2008: 2nd International Workshop on Speech and Signal Processing. Bratislava, Slovak Republic, 16.5.2008. - Bratislava: STU, 2008. - p. 1-4. (in English)
- [81] TOMEK, R., KADLIC, R., MIKÓCZY, E., PODHRADSKÝ, P.: IPTV Applications in the NGN Environment. In: Proceedings Elmar-2008: 50th International Symposium ELMAR-2008. Zadar, Croatia, 10.-12.9.2008. - Zadar: Croatian Society Electronics in Marine, 2008. - ISBN 978-953-7044-09-1. - Vol. 2, p.549-552. (in English)
- [82] TÓTH, J., ROZINAJ, G.: Intelligent Speech Communication Interface for Communication with Computer in RSS News Article Reading Application. In: Proceedings Redžúr 2008: 2nd International Workshop on Speech and Signal Processing. Bratislava, Slovak Republic, 16.5.2008. - Bratislava: STU, 2008. - p. 13-16. (in English)
- [83] TRŠKA, R., BAROŇÁK, I.: Quality of Services in ATM. In: RTT 2008. Research in Telecommunication Technology: 9th International Conference. Vyhne, Slovak Republic, 10.-12.9.2008. - Bratislava: STU, 2008. - ISBN 978-80-227-2939-0. - p. 342-345. (in English)
- [84] TRÚCHLY, P., OCEL, M.: End-to-End Packet Delays in LEO Satellite Constellations. In: IWSSIP 2008. 15th International Workshop on Systems, Signals and Image Processing: Bratislava, Slovak Republic, 25.-28.6.2008. - Bratislava: STU, 2008. - ISBN 978-80-227-2856-0. - p. 515-518. (in English)
- [85] TRÚCHLY, P., MOCHŇÁK, L.: Medium Access Methods of Ad-Hoc Networks. In: RTT 2008. Research in Telecommunication Technology: 9th International Conference. Vyhne, Slovak Republic, 10.-12.9.2008. - Bratislava: STU, 2008. - ISBN 978-80-227-2939-0. - p. 346-349. (in English)
- [86] TRÚCHLY, P., GOLHA, M., FILIPKO, T., GAŠPERÁK, R., LEGEN, M.: Simulation of IMS Using Current Simulators. In: Proceedings Elmar-2008: 50th International Symposium ELMAR-2008. Zadar, Croatia, 10.-12.9.2008. - Zadar: Croatian Society Electronics in Marine, 2008. - ISBN 978-953-7044-09-1. - Vol.2, p.545-548. (in English)
- [87] TURI NAGY, M., ROZINAJ, G.: A Residual Modeling Extension of HNM Model for Prosodic Modification of Slovak Speech. In: IWSSIP 2008. 15th International Workshop on Systems, Signals and Image Processing: Bratislava, Slovak Republic, 25.-28.6.2008. - Bratislava: STU, 2008. - ISBN 978-80-227-2856-0. - p. 453-456. (in English)
- [88] TURI NAGY, M., ROZINAJ, G., ČEPKO, J.: System for Prosodic Modification of Corpus Synthesized Slovak Speech. In: Proceedings Elmar-2008: 50th International Symposium ELMAR-2008. Zadar, Croatia, 10.-12.9.2008. - Zadar: Croatian Society Electronics in Marine, 2008. - ISBN 978-953-7044-09-1. - Vol. 2, p.643-646. (in English)
- [89] VARGIC, R., KRHLA, M., SCHUMANN, S., KOTULIAK, I.: IMS Interworking Using IBCF. In: ICCIT 2008. The 2008 International Conference on Convergence and Hybrid Information Technology: Busan, South Korea, 11.-13.11.2008. - Piscataway: IEEE Computer Society, 2008. - ISBN 978-0-7695-3407-7. - p. 89-94. (in English)
- [90] VOJTKO, J., KÖRÖSI, J., ROZINAJ, G.: Comparison of Automatic Speech Recognizer SPHINX 3.6 and SPHINX 4.0 for Creating Systems in Slovak Language. In: IWSSIP 2008. 15th International Workshop on Systems, Signals and Image Processing: Bratislava, Slovak Republic, 25.-28.6.2008. - Bratislava: STU, 2008. - ISBN 978-80-227-2856-0. - p. 537-539.

(in English)

- [91] VOZŇÁK, M., ŘEZÁČ, F., KYRBASHOV, B., HALÁS, M.: Possible Attacks in IP Telephony. In: RTT 2008. Research in Telecommunication Technology: 9th International Conference. Vyhne, Slovak Republic, 10.-12.9.2008. - Bratislava: STU, 2008. - ISBN 978-80-227-2939-0. - p. 368-373. (in English)
- [92] VRABEC, J., ROZINAJ, G., TALAFOVÁ, R.: IQ Kiosk in Metropolitan Information Systems. In: Proceedings Elmar-2008: 50th International Symposium ELMAR-2008. Zadar, Croatia, 10.-12.9.2008. - Zadar: Croatian Society Electronics in Marine, 2008. - ISBN 978-953-7044-09-1. - Vol. 1, p.634-638. (in English)
- [93] YASSINE, A., TRAN, V.P., FARKAŠ, P.: A New Broadcasting Technique with Hybrid ARQ Control for Wireless Networks. In: ELITECH '08: PhD Students Conference. Bratislava, Slovak Republic, 20.5.2008. - Bratislava: STU, 2008. - ISBN 978-80-227-2878-2. - CD-Rom. (in English)
- [94] ZAŤKO, M., CHROMÝ, E.: Design of VBR Video Source Model for Simulation Needs. In: Proceedings ŠVOČ 2008. Bratislava, Slovak Republic, 23.4.2008. - Bratislava: STU, 2008. - ISBN 978-80-227-2865-2. - CD-Rom. (in Slovak)
- [95] ŽERNOVIČ, M., FILANOVÁ, J.: The Optimization of Multipoint Connection Routing in Telecommunication Networks. In: Proceedings ŠVOČ 2008. Bratislava, Slovak Republic, 23.4.2008. - Bratislava: STU, 2008. - ISBN 978-80-227-2865-2. - CD-Rom. (in Slovak)

### VIII.3 Parts of books

- [1] KAČUR, J., ROZINAJ, G.: Practical Issues of Building Robust HMM Models Using HTK and SPHINX Systems. In: Speech Recognition. Technologies and Applications. - Vienna: In-Tech, 2008. - ISBN 978-953-7619-29-9. - p. 171-193. (in English)
- [2] ORAVEC, M., ROZINAJ, G., BESZÉDEŠ, M.: Detection and Recognition of Human Faces and Facial Features. In: Speech, Audio, Image and Biomedical Signal Processing using Neural Networks. - Berlin: Springer, 2008. - ISBN 978-3-540-75397-1. - p. 283-307. (in English)
- [3] PODHRADSKÝ, P., MIKÓCZY, E., MATEJKA, J., LÁBAJ, O., TOMEK, R., ĎUNGEL, M., KOTULIAK, I.: Practical Experience with New Services and Applications Supported by NGN. In: Handbook of Research on Mobile Multimedia. - Hershey: Information Science Reference, 2008. - ISBN 978-1-60566-046-2. - Vol. 2, p.628-645. (in English)
- [4] ROZINAJ, G., VRABEC, J., ČEPKO, J., TALAFOVÁ, R.: Terminals for the Smart Information Retrieval. In: Handbook of Research on Mobile Multimedia. - Hershey: Information Science Reference, 2008. - ISBN 978-1-60566-046-2. - Vol.1, p.263-274. (in English)

### VIII.5 Textbooks

- [1] FERKL, L., ŠMEJKAL, L., SLÁDEK, O., PODHRADSKÝ, P., DÚHA, J.: Končna verzija tečaja 'Teleinformatika in industrijska avtomatika'. - Maribor: University of Maribor, 2008. - 349 p. - ISBN 978-80-01-03829-1. (in Slovenian)
- [2] FERKL, L., ŠMEJKAL, L., SLÁDEK, O., PODHRADSKÝ, P., DÚHA, J.: Koncowa wersja kursu 'Teleinformatyka w automatyzacji przemysłowej'. - Prague: Czech Technical University, 2008. - 371 p. - ISBN 978-80-01-03817-8. (in Polish)
- [3] FERKL, L., ŠMEJKAL, L., SLÁDEK, O., PODHRADSKÝ, P., DÚHA, J.: Konečná verze kurzu 'Teleinformatika v průmyslové automatizaci'. - Prague: Czech Technical University,

2008. - 334 p. - ISBN 978-80-01-03811-6. (in Czech)

- [4] FERKL, L., ŠMEJKAL, L., SLÁDEK, O., PODHRADSKÝ, P., DÚHA, J.: Letzte (Aktuelle) Version des Kurses 'Teleinformatik in der Industrieautomatisierung'. - Prague: Czech Technical University, 2008. - 381 p. - ISBN 978-80-01-03823-9. (in German)
- [5] FERKL, L., ŠMEJKAL, L., SLÁDEK, O., PODHRADSKÝ, P., DÚHA, J.: Version finale du cours développé 'Téléinformatiques dans l'automatisation industrielle'. - Paris: Institut Supérieur d'Electronique de Paris, 2008. - 369 p. - ISBN 978-80-01-03835-2. (in French)