

DEPARTMENT OF RADIO AND ELECTRONICS

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Head of Department

Doc. Ing. Vladimír Kudják, PhD.

e-mail:vladimir.kudjak@stuba.sk

Tel: ++421-2-654 22 765

Tel/Fax: ++421-2-654 29 683

I. STAFF

Professors	Prof. Ing. Igor Baláž, DrSc., Prof. Ing. Florián Makáň, PhD.
Associate Professors	Doc. Ing. Peter Hajach, PhD., Doc. Ing. Ján Hribík, PhD., Doc. Ing. Miloslav Hruškovic, PhD., Doc. Ing. Vladimír Kudják, PhD., Doc. Ing. Peter Kulla, PhD., Doc. Ing. Oldřich Ondráček, PhD., Doc. Ing. Miroslav Paško, PhD., Doc. Ing. Pavel Piš, PhD., Doc. Ing. Peter Podhoranský, PhD., Doc. Ing. Ivan Spudil, PhD.,
Assistant Professors	Ing. Zdenko Brezovič, Ing. Elena Cocherová, PhD., Ing. Miroslav Hagara, Ing. Benedikt Hollý, PhD., Ing. Zuzana Krajčušková, Ing. Peter Kubinec, Ing. Marek Kukučka, Ing. Branislav Lojko, Ing. Marián Minárik, PhD., Ing. Jozef Petrek, PhD., Ing. Marek Polák, PhD., Ing. Anna Pribilová, PhD., Ing. Jozef Púčík, PhD., Ing. Pavol Zavorský, PhD.
Research Workers	Ing. Ján Bezek, PhD., Ing. Vladimír Bilík, PhD., Ing. Peter Fuchs, PhD., Ing. Milan Košťál, PhD., Ing. Fedor Lehockí
Technical Staff	Bohumil Frey, Ivana Prokopová, Gabriela Vránová (secretary), Bohumír Ricker
PhD. Students	Ing. Loránt Burián, Ing. Jozef Huska, Ing. Milan Jus, Ing. Zdeno Kardoš, Ing. Gabriel Kósa, Ing. Attila Nagy, Ing. Tamás Tóth, Ing. Ján Zemanovič

II. EQUIPMENT

II.1 Teaching and Research Laboratories

- Laboratory of Electronic Networks, Devices and Measurements
- Laboratory of Analog Circuits and Systems
- Laboratory of Pulse Circuits
- Laboratory of Signals and Systems
- Laboratory of Electroacoustics
- Laboratory of Audio Processing
- Laboratory of Image Processing
- Laboratory of Medical Electronic Instrumentation
- Laboratory of Microwave Engineering
- Laboratory of Antennas and Wave Propagation
- Laboratory of Radio Receivers and Transmitters
- Laboratory of Electroacoustic Measurements
- Laboratory of Digital Signal Processing
- Laboratory of TV Systems
- Laboratory of Digital and Analog Circuits and Systems
- Laboratory of Electromagnetic Measuring Devices
- Laboratory of Diagnostics in Medicine
- Laboratory of Data Transmission Systems

II.2 Special Measuring Instruments and Computers

- Six-Port Reflectometers and Automatic Impedance Matching System for High-Power Industrial Applications
- European Customer Training Centre – Texas Instruments (DSP TMS320C2xx, TMS370, TMS320C5x, TMS320C6xxx, MSP430)
- Precise Registration / Calibration Electricity Meter
- Precise Digital Network Analyzer and Standard Meter PEM 6711

III. TEACHING

III.1 Undergraduate Study (Bc.)

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

Electronic Devices and Circuits	(3rd sem., 3-2h)	V.Kudjak
Electronic Circuits and Information Transmission	(4th sem., 3-2h)	V.Kudjak, I.Spudil
Electroacoustics	(5th sem., 2-2h)	F.Makan, A.Pribilova
Signals and Systems	(5th sem., 3-2h)	O.Ondracek
Analog Circuits	(6th sem., 3-2h)	I.Balaz
Discrete Signals and Systems	(6th sem., 2-2h)	O.Ondracek
Applied Electroacoustics	(6th sem., 3-2h)	M.Pasko
Power Supply Sources for Electronic Devices	(6th sem., 2-2h)	M.Hruskovic
Electronic Measurements	(7th sem., 3-2h)	J.Hribik
Microwave Theory and Techniques	(7th sem., 3-2h)	P.Hajach
Biophysics	(7th sem., 3-1h)	.Galbavy
Transducers of Biosignals	(7th sem., 2-2h)	B.Holly
Digital-Analog Circuits and Subsystems	(7th sem., 2-2h)	V.Kudjak
Data Transmission Systems	(7th sem., 2-2h)	F.Makan
Electronic Instruments in Medicine	(8th sem., 2-2h)	B.Holly
Microcontrollers	(8th sem., 2-2h)	P.Fuchs
Studio Television Circuits and Equipment	(8th sem., 2-2h)	P.Kulla

III.2 Graduate Study (Ing.)

Digital Signal Processing	(1st sem., 3-2h)	O.Ondracek
Circuits for Radio-communication Systems	(1st sem., 3-2h)	V.Kudjak
Radio-communication Technologies and Networks	(1st sem., 3-2 h)	J.Petrek
Digital Image Processing and Encoding	(1st sem., 3-2 h)	P.Kulla
Sound Techniques	(1st sem., 3-2 h)	M.Pasko
Medical Electronic Transducers, Circuits and Equipment	(1st sem., 3-2 h)	B.Holly
Telemedicine Technique	(1st sem., 3-2 h)	I.Spudil

Electromagnetic Radiation Effects on Biological Objects	(1st sem., 3-2 h)	E.Cocherová
Modern Radio Communication Systems	(2nd sem., 3-2h)	J.Petrek
Biosignal Processing	(2nd sem., 3-2h)	J.Půčík
Digital Radio and Television Systems	(2nd sem., 3-2h)	P.Kulla
Radio Transmitters	(2nd sem., 3-2 h)	J.Hribik
Signal Recording	(2nd sem., 3-2h)	P.Podhoranský
Diagnostics in Medicine	(2nd sem., 3-2h)	P.Piš
Antennas and Radio-communication Link	(2nd sem., 3-2h)	P.Hajach
Radio Systems for Navigation and Precise Time and Frequency Dissemination	(2nd sem., 3-2h)	M.Minárik

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

Analog Electronics Circuits	(4th sem., 2-1h)	F.Židek, Z. Krajčůšková
Signals and Systems	(5th sem., 1-0h)	F.Židek, Z.Krajčůšková
Pulse Electronics	(5th sem., 1-0h)	M.Hagara, B.Hollý
Electro-acoustics	(5th sem., 1-0h)	A.Přibilová
Aspects of Clinical Engineering	(8th sem., 3-0h)	F.Židek
Micro-wave Engineering in Medicine	(8th sem., 2-0h)	E.Cocherová
Digital Signal Processing II.	(9th sem., 1-0h)	O.Ondráček
Biophysics	(9th sem., 1-0h)	Š.Galbavý

IV. RESEARCH PROJECTS

- Development of High-power six-port reflectometers (impedance analyzers) for different types of transmission media frequency rangers of 900 MHz and 2450 MHz. N/S – Mueg-Bez-EU9, J.Bezek
- EDUCTV – requalification program for employees in televisive services. 13120110064, P.Piš
- Improvement of Generation and Radiation Electromagnetic Waves in Mobile and Stationary Radiocommunications Systems; Technical and Environmental Approach. G 1/9045/02, I.Baláž
- Investigation of Methods of Increasing the Resolution of Scanning Capacitance Microscopes. G 2/2037/22, M.Hruškovic
- Digital Processing in Acoustic, Image and Biomedical Signals. 102/VTP/2000, P.Fuchs
- Digital Signal Processing in Biomedical Engineering (B.Hollý)
- Digital Processing in Acoustic Signals, AMR and PLC Communication (P.Podhoranský)
- Methods and System for Image Processing with Signal Processor TMS320C3x in Real Time (P.Kulla)
- Power Amplifiers Analysis for Calibration Stations (J.Hribik)
- Digital 3-phase Calibration Electricity Meter with DSP TMS320C6711 (P.Fuchs)

- Single Phase Electricity Meter with Micro-controller MSP430FE427 (P.Fuchs)
- Electronic Calibration Station EKS 05-3 (P.Fuchs)
- Frequency Synthesis in the LERA Transceiver by the DAFC (P.Fuchs)
- Digital Frequency Locket Loop with High Spectral Purity (P.Fuchs, B.Lojko)
- Control Application Based on GSM, GPS and USB Technology (P.Fuchs, B.Lojko)
- Adaptive noise Cancelling of the Acoustic Signal (P.Fuchs, L.Burián)

Collaboration:

- Aeronautical Station LERA TRX 1.5S (LOBB, Banská Bystrica)
- Digital Regulators of Operating Machine Action Elements (Vývoj Martin, a.s.)
- Digital Calibration/Registration Electricity Meter (Křížik GBI, a.s., Prešov)
- Electronic Calibration Station EKS-03 (Applied Meters, a.s., Prešov)
- Methods and System for Image Information Processing by Signal Processor TMS320C3x in Real Time (I.S.E.P. Paris)
- Instructional System of Specialized Training for Commanders of Fire-fighting crews. VTP 326/2000, P. Piš
- Realization Thyreomat System on PC. VTP 11/2002, P.Piš
- Diagnostic Expert System for Thyroid Gland Function. VTP 121/2002, P.Piš
- Digital Processing New Methods of Deterministic and Non-deterministic Signals Generated by Image Signals Sources and Biomedical Signals Sources with Direct Application in Modern Systems of Signals Digital Processing and Visualization. VG-1/0144/2003, P.Kulla

V. COOPERATION

V.1 Cooperation in Slovakia

- Applied Meters, a.s.
- ANDIS s.r.o. Bratislava
- AMSET s.r.o., Bratislava
- City Fire Commission, Bratislava
- ELSINCO, Bratislava
- HIS SENZOR s.r.o. Prešov
- Institute of Encyclopedy, Slovak Academy of Sciences, Bratislava
- Institute of Physics, Slovak Academy of Sciences, Bratislava
- Institute of Measurement, Slovak Academy of Sciences, Bratislava
- Institute of Molecular Physiology and Genetics, Slovak Academy of Sciences, Bratislava
- Institute of Metrology Bratislava
- KŘÍŽÍK GBI, a.s. Prešov
- LOBB, Banská Bystrica
- Main Data, Bratislava
- Mediatech, Bratislava
- National Academy of Defence, Liptovský Mikuláš
- National Security Institute, Bratislava
- ORL Clinic, Faculty Hospital, Bratislava
- PHILIPS Slovakia, Bratislava
- PRIUS, Bratislava
- Prof.Déer Hospital, Bratislava
- RACOM, Slovakia
- SATRO,s.r.o.,Bratislava
- Slovak Broadcasting Corporation, Bratislava
- Slovak Institute of Technical Normalization, Bratislava
- Slovak Telecommunications / Radiocommunications, Bratislava
- Slovak Television, Bratislava
- MIRONIX Bratislava

- Special Software and Systems, Bratislava
- SWH, (Siemens), Slovakia, Bratislava
- Telecommunication Office SR, Bratislava
- T-Mobile
- University of Technology, Košice
- University of Technology, Žilina
- VUJE Trnava
- VÚS, Banská Bystrica
- Vývoj, Martin
- ZPA Krížik GBI, a.s., Prešov

V.2 International Cooperation

- AS Crystal, Hradec Králové, CzR
- Czech Technical University, Prague, CzR
- GAČR, Prague, CzR
- IBME Brno, CzR
- Institut für Allgemeine Physik, TU Vienna, Austria
- Institute of Technology, Tokyo, Japan
- I.S.E.P., Paris, France
- Muegge Electr., GmbH, Germany
- PHILIPS, Components Center Vienna, Austria
- Technical University Brno, CzR
- Technical University Ostrava, CzR
- Texas Instruments, Inc, USA
- University of Applied Sciences, Heilbronn, Germany
- Universite de Nantes, France
- URE AV CzR, CzR
- URSI Prague, CzR
- UTIA AV CzR, CzR
- TRICOM GmbH, Freising, Germany

V.3 Membership in International Organizations and Societies

- I.Baláz : URSI, Union Radio-Scientifique Internationale, Member of NC
- I.Baláz : IEEE, The Institute of Electrical and Electronics Engineers, Member
- Z.Krajčušková: URSI, Scientific Secretary
- P.Kulla : IEE, The Institution of Electrical Engineers, Fellow
- J.Hrbik, I. Spudil, Z. Krajčušková : Radioengineering, Proc. of Czech and Slovak Technical Universities and URSI Committees, Members of Editorial Board, IEEE

VI. THESES

VI.1 Masters Theses

Masters theses supervised at the Department of Radio and Electronics. The names of supervisors are in brackets.

- [1] T.Adámek : Ultrasonic Generator for Medical Applications (M.Minárik)
- [2] M.Babinec: Control of System for Measurement of Biosignals Using PC (M.Kukučka)
- [3] A.Baka: Measuring EDT with 1- impulse Method with Assistance of the PC (M.Košťál)
- [4] M.Belay: Knowledge Base Creation for Thyroid Functional Diagnostics (M.Kukučka)
- [5] J.Bugarovič: A Digital Suppressor of an Acoustic Feedback (P.Kubinec)
- [6] M.Cako : MIDI – Box (M.Paško)

- [7] J.Fegyveres : Communication Module for Scanning of ECG, FCG, CTG Through RS 232 Interface (P.Piš)
- [8] M.Firický : Digital Signal Processing – Time – Frequency Representations of Signals (Z.Krajčušková)
- [9] B.Frič : Reliability-Growth Models - Hardware (Z.Krajčušková)
- [10] M.Fülöp: The Analysis of Spectral Signal Characteristics on the Output of Electronically Controlled Attenuators (P.Podhoranský)
- [11] T.Fülöp : Design and Implementation of the Stimulation Block of Module VOG (F.Lehocki)
- [12] A.Guzun : Desing of Ballasts for Light Sources (F.Krasňan, Z.Krajčušková)
- [13] M.Hamráček : Mode Tests of CTV Receivers (P.Kulla, Z.Krajčušková)
- [14] L.Kiprich : PLL Frequency Synthesizer in Frequency Band up to 800 MHz (V.Kudják)
- [15] P.Kothaj : Software for Sounding System in Closed Room (M.Košťál)
- [16] Z.Kovácz : A Spectral Density Analysis of Cell Current Noise Using DSP (P.Novák, I.Zahradník, P.Kubinec)
- [17] P.Kováč : Simulation of Neurons Membranes Function (E.Cočerová)
- [18] M.Kutáš : Visual Evoked Potentials (P.Piš)
- [19] A.Lehocki : Design of Technological Diagnostic Systems Applied to Waste Water Processing Using CODESYS Software Tool (P.Piš)
- [20] M.Lipovský : Design of Equipment for SPDIF Signal Processing and Transmission (P.Podhoranský)
- [21] S.Lovás : Thermal Effects of Electromagnetic Radiation (E.Cočerová)
- [22] M.Majchrák : Automatized Measurement Workplace of Microphone Directional Characteristics (J.Přibil, A.Přibilová)
- [23] M.Mikus : Iridodiagnostics and Modern Diagnostic Processes (P.Piš)
- [24] P.Novák : Design of a Single-Phase Power Measuring Device (M.Košťál)
- [25] P.Novotný : Methods of Solution of Electrostatic Fields in Matlab Program (E.Cočerová)
- [26] Ľ.Perončík : Half-automating System of CTV Displays Focusing (P.Kulla)
- [27] B.Petrek : An Analysis and Implementation of the Digital All-pass Filters (P.Kubinec)
- [28] P.Pinka : Graphical Background of the Special Instruments (R.Michálek, (P.Fuchs))
- [29] M.Sabo : EEG Signals Amplifiers (B.Hollý)
- [30] B.Skladan : Software Equipment for Calibration Laboratory with EKS 05-3 (P.Fuchs)
- [31] Š.Slávík : Testing Images Generator for CTV Analog System PAL (P.Kulla)
- [32] P.Sojak : Extracellular Stimulation of Nerve Fibres (E.Cočerová)
- [33] M.Sýkora : VCA in Microphon's Circuit (M.Paško)
- [34] S.Takáč : Linear Sensor (I.Spudil)
- [35] M.Talanda : Pir Sensor (I.Spudil)
- [36] M.Tulala : Time-frequency Filtering of Signals (J.Púčík)
- [37] O.Vojtko : New Communication Technologies - WLAN (P.Makáň, F.Makáň)
- [38] P.Zelinka : New Communications Technologies - FWA (P.Makáň, F.Makáň)

VI.3 Doctoral Theses

- [1] D.Valuch: High CW Power, Phase and Amplitude modulator realized with Fast Ferrite Phase-Shifters. (P. Hajach, J. Tückmantel)
- [2] M.Kukučka: Diagnostic Processing of Medical Signals. (P. Piš)

VII. OTHER ACTIVITIES

- O.Ondráček : Acta Electrotechnica et Informatica , Member of Editorial Board
- Membership in the Slovak National Technical Standardization Committees (TNK 41 and 80 – F. Makáň, TNK 54 – B. Hollý, TNK 80 – V. Kudják)

VIII. PUBLICATIONS**VIII.1 Journals**

- [1] BALKANY, T.J., ESHRAGHI, A.A., JIAO, HE., POLÁK, M., MOU, C., DIETRICH, D.W., Van de WATER, T.R.: Mild Hypothermia Protects Auditory Function during Cochlear Implant Surgery. In: *Laryngoscope*. - Vol.115, No.9 (2005), - pp. 1543-1547. (in English)
- [2] DAVE, S.P., POLÁK, M., CASIANO, R.R.: Microdebriders Used in Functional Endoscopic Sinus Surgery: Secondary Analysis and Validation of a New Tissue. In: *Laryngoscope*. - Vol.115, No.9 (2005), - pp. 1641-1645. (in English)
- [3] ESHRAGHI, A.A., NEHME, O., POLÁK, M., HE, J., ALONSO, O.F., DIETRICH, W.D., BALKANY, T.J., Van de WATER, R.R.: Cochlear Temperature Correlates with Both Temporalis Muscle and Rectal Temperatures. Application for Testing the Otoprotective Effect of Hypothermia. In: *Acta Oto-Laryngologica*. - Vol.125, No.9 (2005), - pp. 922-928. (in English)
- [4] ESHRAGHI, A.A., POLÁK, M., HE, J., TELISCHI, F.F., BALKANY, T.J., Van de WATER, T.R.: Pattern of Hearing Loss in a Rat Model of Cochlear Implantation Trauma. In: *Otology & Neurology*. - Vol.26, No.3 (2005), - pp. 442-447. (in English)
- [5] GAŠPARÍK, I., ONDRÁČEK, O.: Radioelectronic Systems and Their Using in Car Monitoring. In: *EE - časopis pre elektrotechniku a energetiku*. - Vol.11, Special Issue (2005) - pp. 8-10. (in Slovak)
- [6] HRIBIK, J., FUCHS, P., HRUŠKOVIC, M., MICHÁLEK, R., LOJKO, B.: Digital Power Network Parameters Measurement. In: *Radioengineering*. - Vol.14, No.2 (2005) - pp. 19-26. (in English)
- [7] KOŠŤÁL, M., NOVÁK, P.: Single-Phase Meter and Wattmeter with ADD7750. In: *EE - časopis pre elektrotechniku a energetiku*. - Vol.11, No.5 (2005) - pp. 20-21. (in Slovak)
- [8] LOJKO, B., BURIÁN, L.: Application of Modern Microprocessors and Signal Processors in Automobiles. In: *EE - časopis pre elektrotechniku a energetiku*. - Vol.11, Special Issue (2005) - pp. 20-23. (in Slovak)
- [9] MAKÁŇ, F., ZELENKA, B.: The Real Coming of Next Generation Networks - NGNs. In: *EE - časopis pre elektrotechniku a energetiku*. - Vol.11, No.4 (2005) - pp. 26-27. (in Slovak)
- [10] POLÁK, M., HODGES, A., BALKANY, T.J.: ECAP, ESR and Subjective Levels for Two Different Nucleus 24 Electrode Arrays. In: *Otology & Neurology*. - Vol.26, No.4 (2005), - pp. 639-645. (in English)
- [11] SMULLEN, J.L., POLÁK, M., HODGES, A.V., PAYNE, S.B., TELISCHI, F.F., BALKANY, T.J.: Facial Nerve Stimulation after Cochlear Implantation. In: *Laryngoscope*. - Vol.115, No.6 (2005), - pp. 977-982. (in English)
- [12] ŠTOFANIK, V., VRETENÁR, V., BOHÁČ, V.: Compensation of Systematic Error due to Sampling Rate versus Temperature Dependency Utilizing a Dual-Mode Crystal Oscillator. In: *Measurement Science Review*. - Vol.5, Sect.1 (2005) - pp. 52-55. (in English)
- [13] VOJTKO, O., MAKÁŇ, F.: Radio Signal in WLAN Networks. In: *Journal of Electrical Engineering*. - Vol.56, No.11-12 (2005) - pp. 331-332. (in English)

VIII.2 Conferences

- [1] BAČA, B.: DSP Experiment of ANC in Duct. In: 6th International Conference on Digital Signal Processing and Multimedia Communications : Košice, Slovak Republic, 13.-14.9.2005. pp. 130-133. (in English)
- [2] BALÁŽ, I., MINÁRIK, M.: Dual Mode Crystal Oscillator with the Lever Oscillator. In: 15th International Czech - Slovak Scientific Conference Radioelektronika 2005 : Brno, Czech Republic, 3.-4.5.2005. pp. 69-72. (in English)
- [3] BURIAN, L., FUCHS, P.: A Simple Active Noise Control and Proper Noise Measurement in Acoustic Duct. In: 6th International Seminar on Electrical Metrology : Rio de Janeiro, Brazil, 21.-23.9.2005. pp. 261-264. (in English)
- [4] BURIAN, L., FUCHS, P.: A Simple Active Noise Control in Acoustic Duct. In: 2005 European Conference on Circuit Theory and Design : Cork, Ireland, 29.8.-2.9.2005. pp. 265-268. (in English)
- [5] BURIÁN, L., FUCHS, P.: A Simple Active Noise Control in an Acoustic Duct. In: 15th International Czech - Slovak Scientific Conference Radioelektronika 2005 : Brno, Czech Republic, 3.-4.5.2005. pp. 373-376. (in English)
- [6] BURIAN, L., FUCHS, P.: ANC Application in Acoustic Duct Based on TMS320C6701 EVM. In: 6th International Conference on Digital Signal Processing and Multimedia Communications : Košice, Slovak Republic, 13.-14.9.2005. pp. 98-101. (in English)
- [7] COCHEROVÁ, E.: The Effects of Microwave Radiation on Processes of the Nerve Cell Membrane. In: Fröhlich Centenary International Symposium "Coherence and Electromagnetic Fields in Biological Systems" : Prague, Czech Republic, 1-4.7.2005. pp. 58-59. (in English)
- [8] FUCHS, P., HEINRICH, J., CVOPA, M., HOSTÝN, V.: Single Phase Electricity Meter Based on Mixed-Signal Processor MSP430FE427. In: 14th International Symposium on New Technologies in Measurement and Instrumentation and 10th Workshop on ADC Modelling and Testing : Gdynia, Poland, 12.-15.9.2005. pp. 341-344. (in English)
- [9] FUCHS, P., HEINRICH, J., CVOPA, M., HOSTÝN, V.: Single Phase Electricity Meter with Most Recent Texas Instruments Microcontroller MSP430FE427. In: 15th International Czech - Slovak Scientific Conference Radioelektronika 2005 : Brno, Czech Republic, 3.-4.5.2005. pp. 85-88. (in English)
- [10] FUCHS, P., HEINRICH, J., CVOPA, M., HOSTÝN, V.: Single Phase Electronic Electricity Meter with Mixed Signal Processor MSP430FE427. In: 5th International Conference on Measurement "Measurement 2005" : Smolenice Castle, Slovak Republic, 15.-19.5.2005. pp. 416-419. (in English)
- [11] HAJACH, P., KUDJÁK, V., PODHORANSKÝ, P., ZEMANOVIČ, J.: Mobile Omnidirectional Antenna for the Band Up to 1000 MHz for the Evaluation of Videoprocessing Devices Radiation. In: 13th Conference on Microwave Techniques : Prague, Czech Republic, 26.-28.9.2005. pp. 247-250. (in English)
- [12] HRIBIK, J., FUCHS, P., HRUŠKOVIC, M.: Digital Measurement of Electric Power Network Parameters. In: 6th International Seminar on Electrical Metrology : Rio de Janeiro, Brazil, 21.-23.9.2005. pp. 183-187. (in English)

- [13] HRIBIK, J., HRUŠKOVIC, M., FUCHS, P.: Air Flow Velocity Measurement. In: 19th International Metrology Symposium : Opatija, Croatia, 26.-28.9.2005. pp. 100-103. (in English)
- [14] HRUŠKOVIC, M., HRIBIK, J.: Class D Power Amplifier. In: 15th International Czech - Slovak Scientific Conference Radioelektronika 2005 : Brno, Czech Republic, 3.-4.5.2005. pp. 73-76. (in English)
- [15] HRUŠKOVIC, M., HRIBIK, J., VÝROST, M.: Air Flow Velocity Measurement. In: 8th International Symposium on Mechatronics "Mechatronika 2005" : Trenčianske Teplice, Slovak Republic, 19.-21.5.2005. pp. 26-29. (in English)
- [16] KARDOŠ, Z.: Effect of Dielectric Supports on the Coaxial Six-Port Reflectometer Parameters. In: 7th Conference for PhD Students ELITECH 2005 : Bratislava, Slovak Republic, 9.2.2005. pp. 68-70. (in English)
- [17] KOVÁČ, D., PODHORANSKÝ, P., NAGY, A.: A Simple Measurement Method of the Frequency and Phase Response of a Loudspeaker. In: 15th International Czech - Slovak Scientific Conference Radioelektronika 2005 : Brno, Czech Republic, 3.-4.5.2005. pp. 478-481. (in English)
- [18] KRAJČUŠKOVÁ, Z.: Discrete Reliability Growth Models. In: 15th International Czech - Slovak Scientific Conference Radioelektronika 2005 : Brno, Czech Republic, 3.-4.5.2005. pp. 409-412. (in English)
- [19] KRAJČUŠKOVÁ, Z.: Electronic Circuits and Transmission of Information - Practical Experience. In: Circuits Theory Seminar - Modern Trends in Education of Elektrotechnics and Electronics : Brno, Czech Republic, 21.-22.9.2005. pp. 80-82. (in Slovak)
- [20] KUBINEC, P.: Some Properties of Nested Allpass Structure Reverberator - A Digital Sound Effect. In: 15th International Czech - Slovak Scientific Conference Radioelektronika 2005 : Brno, Czech Republic, 3.-4.5.2005. pp. 334-337. (in English)
- [21] KULLA, P., PERONČÍK, L.: Autonomous Half-Automating System for CRT Displays of CTVR. In: 8th International Symposium on Mechatronics "Mechatronika 2005" : Trenčianske Teplice, Slovak Republic, 19.-21.5.2005. pp. 107-111. (in English)
- [22] LOJKO, B., FUCHS, P.: Frequency Synthesis Based on the Frequency Locked Loop with Array of Charge Pumps Controlled by DSP. In: 7th Conference for PhD Students ELITECH 2005 : Bratislava, Slovak Republic, 9.2.2005. pp. 76-79. (in English)
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