

DEPARTMENT OF ELECTROMAGNETIC THEORY

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Head of Department

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I. STAFF

Professors	Prof. Ing. Jozef Jasenek, PhD., Prof. Ing. Jozef Sláma, PhD.
Associate Professors	Doc. Ing. Ivan Bojna, PhD., Doc. Ing. Jan Bydžovský, PhD., Doc. Ing. Rastislav Dosoudil, PhD., Doc. Ing. Peter Jahn, PhD., Doc. Ing. Vladimír Jančárik, PhD., Doc. Ing. Ľubomír Šumichrast, PhD., Doc. Ing. Elemír Ušák, PhD.
Assistant Professors	Ing. Jozefa Červeňová, PhD., Ing. Jaroslav Franek, PhD., Ing. Mojmír Kollár, PhD., Ing. Pavol Krivošík, PhD., Ing. Marian Štofka, PhD.
Senior Scientists	Ing. Vladimír Olah, PhD., Ing. Jozef Paľa, PhD.
Research Workers	Ing. Marianna Ušáková
Technical Staff	Marta Jančovičová (secretary), Mária Brunovská, Milan Brunovský, Alojz Vďačný
PhD Students	Ing. Marek Hlaváč, Ing. Martin Šoka

II. EQUIPMENT

II.1 Teaching and Research Laboratories

- Laboratory of Electric Circuits
- Laboratory of Electromagnetic Field
- Laboratory of Optoelectronics
- Laboratory of Signal Processing
- Laboratory of Microwave Technology
- Laboratory of Pulse and Nonlinear Electrodynamics
- Laboratory of Electronics
- Laboratory of Applied Magnetism
- Laboratory of Magnetic Measurement
- Laboratory of Magnetic Materials Testing
- Laboratory of Magnetic Materials Technology
- Laboratory of Chemical Technology

II.2 Special Measuring Instruments and Computers

- Michelson interferometer for measurement of chromatic dispersion of single mode optical fibres
- Apparatus for generation of second harmonics in optical frequency range
- Apparatus for back-scattering measurement in optical fibers using photon counting method
- Correlator and Signal Analyzer, frequency range to 50 kHz
- Microwave power meter HP-432 B
- Spectral analyzer 10 MHz - 4 GHz
- Precision Wattmeter 104B, 4mW - 60 kW, up to 200 kHz
- VSM Magnetometer, H_m up to 0.8 MA/m, temperature range 77 K - 800 K

- Precision Gaussmeter, 1 μ T - 10 T at DC, up to 1 kHz AC
- Lock-in-amplifier DSP SR 850 2nV to 1V

- High Coercivity Measuring Apparatus
- PC Controlled AC/DC Hysteresisgraph
- Automated System for Magnetic Susceptibility Temperature Dependence Measurement
- Universal Counter HP53132A up to 12.4 GHz
- Vibrator DERRITRON SC-3000 – mechanical resistance testing equipment
- RF Impedance/Material Analyzer HP4191 A 1 MHz-1 GHz, 1 mOhm - 100 kOhm, APC-7 coaxial (50 Ohm) input, GPIB standard; spot, linear and logarithmic frequency sweep
- HP4192A LF Gain Phase - Impedance Analyser, 5 Hz - 13 MHz, 0.1 mOhm - 1 MOhm, GPIB
- Optical fiber reflectometer JDSU - MTS 6000L
- Optical fiber polarimeter – POD-101D - General Electronics
- Switched Controlled DC Source SORENSEN DLM150-26E, 0 - 150 V, 0- 26 A, GPIB interface
- Four Channel Digital Oscilloscope 200 MHz, Tektronix TDS 2024B, IEE488
- Vector Network Analyzer Agilent 8714ET, 300 kHz - 3 GHz, GPIB interface

III. TEACHING

III.1 Undergraduate Study (Bc.)

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

Electric Circuits I	(2nd+3rd sem., 3-2h)	J. Jasenek, J. Bydžovský
Electrotechnology I	(2nd+3rd sem., 3-2h)	E. Šumichrast
Electrotechnology	(2nd+3rd sem., 3-2h)	J. Sláma
Theory of Electricity I	(2nd+3rd sem., 3-2h)	P. Jahn, E. Ušák
Electric Circuits II	(3rd+4th sem., 3-2h)	J. Jasenek
Electrotechnology II	(2nd+3rd sem., 3-2h)	E. Šumichrast
Theory of Electricity II	(2nd+3rd sem., 3-2h)	P. Jahn
Theory of Electricity III	(2nd+3rd sem., 3-2h)	I. Bojna
Electromagnetic Field	(4th+5th sem., 3-2h)	V. Jančárik, J. Jasenek
Basics of Electrical Engineering	(FIIT 3rd sem., 3-2h)	V. Jančárik
Electronics	(FIIT 4th sem., 3-2h)	E. Ušák
Safety of Electric Equipment	(8th sem., 2-1h)	I. Bojna

III.2 Graduate Study (Ing.)

Magnetism	(1st sem., 2-2h)	E. Ušák
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III.3 Undergraduate and Graduate Study for Foreign Students (in English Language)

Electric Circuits I	(2nd sem., 2-2h)	R. Dosoudil, E. Ušák
Electric Circuits II	(3rd sem., 4-2h)	M. Kollár
Electromagnetic Fields	(4th sem., 3-1h)	E. Šumichrast

IV. RESEARCH PROJECTS

- Optical polarization reflectometry and optical fibre sensors, 1/3097/06, J. Jasenek, E. Šumichrast
- Methods and algorithms for computer simulation of high-frequency electromagnetic fields with applications, G/4085/07, E. Šumichrast, M. Kollár
- Research of magnetic materials for electrotechnology, electronics, recording media and applications connected with electromagnetic compatibility, G 1/3096/06, J. Sláma, A. Grusková
- Magneto-structural properties of metallic materials, development of new analysis methods with aim of their utilisation in non-invasive testing, G 1/3116/06, J. Bydžovský, E. Ušák
- APVV-51-45605-1 (project in co-operation with Slovak Academy of Sciences) Superconductors in environment of power electrical equipments, E. Šumichrast
- APVV SKCN-0021-07 (project in co-operation with Slovak Academy of Sciences) Magnetomechanical effects in FeGa and Fe-based alloy systems, J. Bydžovský
- Universal Network for Magnetic Non-destructive Evaluation, International project, J. Bydžovský
J. Paľa, E. Ušák
- EIE-Surveyor: Reference Point for Electrical and Information Engineering in Europe, Project Nr. 225997-CP-1-2005-1-FR-ERASMUS-TNPP, Project funded by the EC (SOCRATES Thematic Network), 2005-2008

V. COOPERATION

V.1 Cooperation in Slovakia

- Matador Púchov
- VA SNP L.Mikuláš
- EÚ SAV, Bratislava
- FÚ SAV, Bratislava
- IBOK, Bratislava
- EVPÚ, Nová Dubnica
- TU Košice (KEMT)

V.2 International Cooperation

- School of Physics and Electronic Systems Engineering, University of South Australia, Pooraka
- TU Budapest, Hungary
- Doshisa University, Japan
- Nuclear Engineering Research Laboratory, University of Tokyo, Japan
- Department of Physics Colorado State University Fort Collins, USA
- Istituto Elettrotecnico Nazionale Galileo Ferraris, Torino, Italy (since 1 January 2006 the IEN is part of: I.N.R.I.M. - Istituto Nazionale di Ricerca Metrologica)
- TU Darmstadt, Institut für Hochfrequenztechnik, Germany
- TU Ilmenau, Germany
- TU Vienna, Austria
- Cardiff University, Wolfson Centre for Magnetic Technology, United Kingdom
- VEV Elektrotechnisch Vakondernus Nijkjerk, The Netherlands
- TU of Czenstochowa, Poland
- Warsaw University of Technology
- Moscow Energy Institute, Russia
- Lublin Technical University, Poland
- Institute of Physics, Academy of Sciences of Czech Republic, Prague, CzR
- Institute of Inorganic Chemistry, Academy of Sciences of Czech Republic, Prague, CzR
- Czech Technical University, Prague, CzR
- West Bohemian University, Pilsen, CzR
- Technical University, Brno, CzR
- CINVESTAV, Saltillo, Mexico

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- Research Institute for Technical Physics and Materials Science, Hungarian Academy of Sciences, Budapest, Hungary

V.3 Membership in International Organizations and Societies

- J. Jasenek, IEEE, Optical Society of America, European Physical Society, The International Society for Optical Engineering (SPIE), European Association for International Education (EAIE), European Association for Education in Electrical and Information Engineering (EAEEIE), American Society for Engineering Education (ASEE)
- M. Kollár, IEE Slovak Centre
- J. Sláma, IEE Slovak Centre, SAES, European Physical Society
- E. Šumichrast, IEEE, IEE Slovak Centre, European Physical Society, President of the Slovak National Committee of the International Union of Radio Science (URSI), Optical Society of America (OSA), European Physical Society

VI. THESES

VI.1 Masters Theses

none

VI.2 PhD Theses

none

VI.3 Habilitation Theses

- [1] R. Dosoudil: Frequency Dispersion of Permeability and Electromagnetic Absorption Properties of Magneto-polymers.

VII. OTHER ACTIVITIES

- Presidentship of the Slovak Committee of URSI and membership of International (E. Šumichrast)
- Memberships in the Commission for the 'PhD Degree Award' in the study field Theoretical Electromagnetic Engineering (5.2.10), (J. Jasenek, J. Sláma, E. Šumichrast, V. Jančárik, E. Ušák, J. Bydžovský)
- Memberships in the Commission for the 'Award of the title of Associate Professor' in the study field Theoretical Electromagnetic Engineering (5.2.10), (J. Jasenek, J. Sláma, E. Šumichrast)
- Memberships in the Commission for the 'PhD Degree Award' in the study field Electrical Power Engineering (5.2.11), (P. Jahn)
- Membership in Slovak Expertise Commission for Electronics (J. Jasenek)
- Membership in Working Group of Accreditation Commission of the Government of Slovak Republic (J. Jasenek)
- Membership in Inauguration Commission at Military Academy L. Mikuláš (J. Sláma)
- Membership in Commission for Degree Doctor of Scienciare (DrSc) in Theoretical Electromagnetic Engineering (5.2.10), (J. Jasenek, J. Sláma)
- Membership in Slovak Academy of Engineering Sciences and Guarantor for Electrical Engineering (J. Sláma)
- Membership in Headquarters of the Slovak Association of Electrical Engineers, SEZ (I. Bojna)
- Membership in Committee of President of Institute for Standardization Metrology and Testing, for Government Policy and Approximation in Technical Standardization (I. Bojna)
- Expert No. 256 for Branch of Metrology at the Institute of Normalization, Measurement and Standards (ÚNMS) of Slovak Republic (J. Bydžovský)

- Cooperation with Encyclopaedic Institute of Slovak Academy of Sciences - Encyclopaedia Beliana, (J. Sláma, P. Jahn, J. Franek)
- Head of Editorial Board of Journal: EE - Elektrotechnika a energetika (I. Bojna)
- Executive Editor of Journal of Electrical Engineering - Elektrotechnický časopis (M. Kollár)
- Member of the Working Group for the implementation of the National Qualification Framework established by the Ministry of Education of the SR (J. Jasenek)
- Participation in the EIE-Surveyor: Reference point for Electrical and Information Engineering in Europe, Project Nr. 225997-CP-1-2005-1-FR-ERASMUS-TNPP, Project funded by the European Commission, SOCRATES Thematic Network, (J. Jasenek)
- Membership in the Scientific Committee of Magnetic Measurement 2008 (J. Bydžovský, V. Jančárik, M. Kollár, J. Sláma, E. Ušák)
- Erasmus- Lifelong learning program, bilateral agreement for years 2007-2010, STU-NTUA (Greece), (J. Bydžovský)

VIII. PUBLICATIONS

VIII.1 Journals

- [1] BOJNA, I.: Errors at Computing with Incomplete Numbers. In: EE časopis pre elektrotechniku a energetiku. - ISSN 1335-2547. - Vol. 14, No. 1 (2008), p. 20-21. (in Slovak)
- [2] BOJNA, I.: Additional Protection by Residual Current Protection Device in Socket-Outlets Circuits. In: EE časopis pre elektrotechniku a energetiku. - ISSN 1335-2547. - Vol. 14, No. 4 (2008), p. 52. (in Slovak)
- [3] BOJNA, I.: On Some Provisions in the New Slovak Technical Standards. In: EE časopis pre elektrotechniku a energetiku. - ISSN 1335-2547. - Vol. 14, No. 3 (2008), p. 27. (in Slovak)
- [4] BOJNA, I.: Fire Safety Checking of Electrical Equipment. In: EE časopis pre elektrotechniku a energetiku. - ISSN 1335-2547. - Vol. 14, No. 2 (2008), p. 32-33. (in English)
- [5] BOJNA, I.: Protection Against Electric Shock According to STN 33 2000-4-41:2007. In: Elektrotechnický magazín. - ISSN 1210-5422. - Vol. 18, No. 1 (2008), p. 6-9. (in Slovak)
- [6] BOJNA, I.: Application of Residual Current Devices in Terminal Networks. In: EE časopis pre elektrotechniku a energetiku. - ISSN 1335-2547. - Vol. 14, No. 2 (2008), p. 33-34. (in Slovak)
- [7] BOJNA, I.: The Ways of Protections against Electric Shock in Low Voltage Electric Installations. In: EE časopis pre elektrotechniku a energetiku. - ISSN 1335-2547. - Vol. 14, No. 5 (2008), p. 30-31. (in Slovak)
- [8] BOJNA, I.: Etching systems, Protective Conductors and Protective Bonding Conductors According to STN 33 2000-5-54:2008. In: EE časopis pre elektrotechniku a energetiku. - ISSN 1335-2547. - Vol. 14, No. 3 (2008), p. 28-30. (in Slovak)
- [9] BOJNA, I.: Influence of Rain on the Selection and Erection of Electrical Equipment. In: EE časopis pre elektrotechniku a energetiku. - ISSN 1335-2547. - Vol. 14, No. 1 (2008), p. 31. (in Slovak)
- [10] BOJNA, I.: Voltage and Current Harmonics in Low Voltage Mains. In: EE časopis pre elektrotechniku a energetiku. - ISSN 1335-2547. - Vol. 14, No. 4 (2008), p. 22-27. (in Slovak)
- [11] DOSOUDIL, R., UŠÁKOVÁ, M., FRANEK, J., GRUSKOVÁ, A., SLÁMA, J.: Dispersion of Complex Permeability and EM-Wave Absorbing Characteristics of Polymer-Based Composites with Dual Ferrite Filler. In: Journal of Magnetism and Magnetic Materials. - ISSN 0304-8853. - Vol. 320 (2008), e849-e852. (in English)

- [12] DOSOUDIL, R., UŠÁKOVÁ, M., SLÁMA, J., GRUSKOVÁ, A.: Frequency Variation of Complex Permeability in Dual Ferrite Filler - Single Polymeric Matrix Composites. In: Acta Physica Polonica A. - ISSN 0587-4246. - Vol. 113, No. 1 (2008), p. 621-624. (in English)
- [13] DOSOUDIL, R., FRANEK, J., UŠÁKOVÁ, M., OLAH, V., SLÁMA, J.: High-Frequency EMI Noise Suppression by Polymer-Based Composite Magnetic Materials. In: Advances in Electrical and Electronic Engineering. - ISSN 1336-1376. - Vol. 7, No. 1-2 (2008), p. 406-408. (in English)
- [14] GONZÁLEZ-ANGELES, A., GRUSKOVÁ, A., LIPKA, J., SLÁMA, J., JANČÁRIK, V.: Magnetic and Structural Studies of Ba_{0.5}Sr_{0.5}(ZnTi)_xFe_{12-2x}O₁₉ Prepared by Ball Milling. In: Jordan Journal of Physics. - ISSN 1994-7607. - Vol. 1, No. 1 (2008), p. 37-42. (in English)
- [15] GONZÁLEZ-ANGELES, A., LIPKA, J., GRUSKOVÁ, A., JANČÁRIK, V., TÓTH, I., SLÁMA, J.: (Ni, Zn, Sn) Ru and (Ni, Sn) Sn Substituted Barium Ferrite Prepared by Mechanical Alloying. In: Hyperfine Interactions. - ISSN 0304-3843. - Vol. 184 (2008), p. 135-141. (in English)
- [16] GRUSKOVÁ, A., SLÁMA, J., GONZÁLEZ-ANGELES, A., ĎURMAN, V., UŠÁKOVÁ, M., ŠTOFKA, M.: Electromagnetic Properties of Selected Hexaferrites. In: Advances in Electrical and Electronic Engineering. - ISSN 1336-1376. - Vol. 7, No. 1-2 (2008), p. 401-405. (in English)
- [17] GRUSKOVÁ, A., SLÁMA, J., DOSOUDIL, R., UŠÁKOVÁ, M., JANČÁRIK, V., UŠÁK, E.: Microwave Properties of Some Substituted LiZn Ferrites. In: Journal of Magnetism and Magnetic Materials. - ISSN 0304-8853. - Vol. 320 (2008), e860-e864. (in English)
- [18] GRUSKOVÁ, A., JANČÁRIK, V., SLÁMA, J., UŠÁKOVÁ, M.: Optimization of Magnetic and Structural Properties of Sr Ferrite Prepared by Low-Temperature Combustion. In: Acta Physica Polonica A. - ISSN 0587-4246. - Vol. 113, No. 1 (2008), p. 557-560. (in English)
- [19] JANÍČEK, F., JASENEK, J.: Technical University Education in Slovakia. In: Energetika. - ISSN 0375-8842. - Vol. 58, No. 8-9 (2008), p. 282-286. (in Slovak)
- [20] JASENEK, J.: Re-Designing the Map of European Higher Education. In: Academia. - ISSN 1335-5864. - Vol. 19, No. 4 (2008), p. 34-37. (in Slovak)
- [21] KALARICKAL, S.S., KRIVOŠÍK, P., DAS, J., PATTON, C.E.: Microwave Damping in Polycrystalline Fe-Ti-N Films: Physical Mechanisms and Correlations with Composition and Structure. In: Physical Review B. - ISSN 1098-0121. - Vol. 77 (2008), p. 054427. (in English)
- [22] KOLLÁR, M., HRISTOFOROU, E.: Semi-Empirical Magnetostrictive Delay Line Modelling. In: Journal of Magnetism and Magnetic Materials. - ISSN 0304-8853. - Vol. 320 (2008), e1057-1060. (in English)
- [23] MO, N., HOHLFELD, J., ISLAM, M., BROWN, C., GIRT, E., KRIVOŠÍK, P., TONG, W., REBEL, A., PATTON, C.E.: Origins of the Damping in Perpendicular Media: Three Component Ferromagnetic Resonance Linewidth in Co-Cr-Pt Alloy Films. In: Applied Physics Letters. - ISSN 0003-6951. - Vol. 92 (2008), p. 022506. (in English)
- [24] PALA, J., BYDŽOVSKÝ, J.: Dependence of Barkhausen Noise in Plastically Deformed Steel on Frequency and Nonlinearity of Magnetizing Field. In: Acta Physica Polonica A. - ISSN 0587-4246. - Vol. 113, No. 1 (2008), p. 23-26. (in English)
- [25] PALA, J., BYDŽOVSKÝ, J.: Effect of Measurement Conditions on Barkhausen Noise Parameters. In: Advances in Electrical and Electronic Engineering. - ISSN 1336-1376. - Vol. 7, No. 1-2 (2008), p. 315-317. (in English)
- [26] SLÁMA, J., GRUSKOVÁ, A., JANČÁRIK, V., ŠTOFKA, M., GONZÁLEZ-ANGELES, A.: Electromagnetic Properties of Substituted Barium Hexaferrites. In: Acta Physica Polonica A.

- ISSN 0587-4246. - Vol. 113, No. 1 (2008), p. 609-612. (in English)
- [27] SLÁMA, J., OLAH, V., GRUSKOVÁ, A., JANČÁRIK, V., HUDEC, I., DOSOUDIL, R., ŠIROKÝ, P., ŠOKA, M.: Magnetic Spectra Analysis of Dielectrics. In: *Advances in Electrical and Electronic Engineering*. - ISSN 1336-1376. - Vol. 7, No. 1-2 (2008), p. 393-397. (in English)
- [28] SMITH, K.R., KABATEK, M.J., KRIVOŠÍK, P., WU, M.: Spin Wave Propagation in Spatially Nonuniform Magnetic Fields. In: *Journal of Applied Physics*. - ISSN 0021-8979. - Vol. 104 (2008), p. 043911.1-6. (in English)
- [29] ŠTOFKA, M.: Composite Instrumentation Amplifier Challenges Single-Chip Device for Bandwidth, Offset, and Noise. In: *EDN. Electronics Design, Strategy, News*. - ISSN 0012-7515. - Vol. 53, No. 12 (2008), p. 74-75. (in English)
- [30] ŠTOFKA, M.: Digitally Programmable Instrumentation Amplifier Offers Autozeroing. In: *EDN. Electronics Design, Strategy, News*. - ISSN 0012-7515. - Vol. 52, No. 19 (2008), p. 62-63. (in English)
- [31] ŠTOFKA, M.: High-Speed Clamp Functions as Pulse-Forming Circuit. In: *EDN. Electronics Design, Strategy, News*. - ISSN 0012-7515. - Vol. 53, No. 1 (2008), p. 68. (in English)
- [32] ŠTOFKA, M.: Instrumentation Amp Has Low Offset, Drift, and Low-Frequency Noise. In: *EDN. Electronics Design, Strategy, News*. - ISSN 0012-7515. - Vol. 53, No. 17 (2008), p. 56. (in English)
- [33] ŠTOFKA, M.: Instrumentation-Amplifier-Based Current Shunt Exhibits OV Drop. In: *EDN. Electronics Design, Strategy, News*. - ISSN 0012-7515. - Vol. 53, No. 24 (2008), p. 62-64. (in English)
- [34] ŠTOFKA, M.: Sample-and-Hold Amplifier Holds the Difference of Two Inputs. In: *EDN. Electronics Design, Strategy, News*. - ISSN 0012-7515. - Vol. 53, No. 15 (2008), p. 58-60. (in English)
- [35] ŠTOFKA, M.: Simple Fixture Statically Tests Programmable-Gain Amplifiers. In: *EDN. Electronics Design, Strategy, News*. - ISSN 0012-7515. - Vol. 53, No. 13 (2008), p. 79-80. (in English)
- [36] STUPAKOV, O., PALA, J., YURCHENKO, V., TOMÁŠ, I., BYDŽOVSKÝ, J.: Measurement of Barkhausen Noise and Its Correlation with Magnetic Permeability. In: *Journal of Magnetism and Magnetic Materials*. - ISSN 0304-8853. - Vol. 320 (2008), p. 204-209. (in English)
- [37] UŠÁK, E., ŠVEC, P., KUČHTA, J., BYDŽOVSKÝ, J.: New Nanocrystalline Materials for Power Electronics Applications. In: *Advances in Electrical and Electronic Engineering*. - ISSN 1336-1376. - Vol. 7, No. 1-2 (2008), p. 398-400. (in English)
- [38] ZEMANOVÁ, M., CHOVANCOVÁ, M., BLAHO, P., UŠÁK, E., VALTÝNI, J.: Effect of Plating Mode and Complexing Agent on Morphology of Pigmented Anodic Alumina Coating. In: *Transactions of the Institute of Metal Finishing*. - ISSN 0020-2967. - Vol. 86, No. 2 (2008), p. 109-114. (in English)
- [39] ZEMANOVÁ, M., CHOVANCOVÁ, M., GÁLIKOVÁ, Z., KRIVOŠÍK, P.: Nickel Electrolytic Colouring of Anodic Alumina for Selective Solar Absorbing Films. In: *Renewable Energy*. - ISSN 0960-1481. - Vol. 33, No. 10 (2008), p. 2303-2310. (in English)

VIII.2 Conference Proceedings

- [1] BOJNA, I.: Actual Information of Technical Standardisation in Electrical Engineering Field. In: *28th Conference of Slovak Electrical Engineers: Poprad, Slovak Republic, 5.-6.11.2008*. -

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- Bratislava: Slovenský elektrotechnický zväz, 2008. - p. 17-27. (in Slovak)
- [2] BOJNA, I.: Actual Information of Technical Standardisation and Legislation in Electrical Engineering Field. In: 28th Conference of Slovak Electrical Engineers: Bratislava, Slovak Republic, 18.-19.3.2008. - Bratislava: Slovenský elektrotechnický zväz, 2008. - p. 3-13. (in Slovak)
- [3] BOJNA, I.: New Electrical Standards and Application of STN 33 2000-4-41:2007 in Practice. In: 6th Regional Electrotechnical Days: Nitra, 27.11.2008 (2008). - Nitra. - CD-Rom. (in Slovak)
- [4] BOJNA, I.: PNE 33 2000-1:2008 Protection Against Electric Shock in Transmission and Distribution Power Systems. Part 1. In: 36th Meeting of Slovak Inspectors and Electrical Engineers. Žilina, Slovak Republic, Sept. 2008. - Bratislava: Slovenský elektrotechnický zväz, 2008. - ISBN 978-80-8070-898-6. - p. 26-35. (in Slovak)
- [5] BOJNA, I.: Connection of Electrical Appliance to Supply System and Its Checks and Verification. In: Electrical Household Appliance - Safety. - Bratislava: SÚTN, 2008. - p. 72-80. (in Slovak)
- [6] BOJNA, I.: Introduction of Standard STN 33 200-5-54:2008 Low-Voltage Electrical Installations. Part 5-54: Selection and Erection of Electrical Equipment. In: 28th Conference of Slovak Electrical Engineers: Poprad, Slovak Republic, 5.-6.11.2008. - Bratislava: Slovenský elektrotechnický zväz, 2008. - p. 28-37. (in Slovak)
- [7] ČERVEŇOVÁ, J.: Students, Teachers and Computers in Gaining Knowledge. In: Innovation in Education for Electrical and Information Engineering. 19th EAEEIE Annual Conference: Tallinn, Estonia, 29.6- 2.7.2008. - Piscataway: IEEE, 2008. - ISBN 978-1-4244-2009-4. - CD-Rom. (in English)
- [8] DOSOUDIL, R., UŠÁKOVÁ, M., FRANEK, J., SLÁMA, J.: Broadband RF-Wave Absorber Design Using Composite Magnetic Material. In: Magnetic Measurements '08: International Conference. Budapest, Hungary, 21.-24.9.2008. - Budapest: MTA MFA, 2008. - p. 31-32. (in English)
- [9] ĎURMAN, V., GRUSKOVÁ, A., UŠÁKOVÁ, M.: Dielectric Properties and Conductivity of Ba-Sr Ferrites. In: APCOM 2008. Applied Physics of Condensed Matter: Proceedings of 14th International Workshop. Bystrá, Slovak Republic, 25.-27.6.2008. - Bratislava: STU, 2008. - ISBN 978-80-227-2902-4. - p. 57-60. (in English)
- [10] FRANEK, J., KOLLÁR, M., BÚC, D.: To the Control of Surface Layer Thickness in Electrochemical Bath Processing. In: Elektro 2008. Proceedings of 7th International Conference: Žilina, Slovak Republic. 23.-21.5.2008. - Žilina: Žilinská univerzita, 2008. - ISBN 978-80-8070-845-0. - p. 178-181. (in English)
- [11] HRISTOFOROU, E., KOSMAS, K., KOLLÁR, M.: Surface Magnetic Non Destructive Evaluation Using a Permeability Sensor Based on the MDL Technique. In: Magnetic Measurements '08: International Conference. Budapest, Hungary, 21.-24.9.2008. - Budapest: MTA MFA, 2008. - p. 54-55. (in English)
- [12] JASENEK, J., ČERVEŇOVÁ, J.: A View on the PhD Studies in Bologna Process. In: Innovation in Education for Electrical and Information Engineering. 19th EAEEIE Annual Conference: Tallinn, Estonia, 29.6- 2.7.2008. - Piscataway: IEEE, 2008. - ISBN 978-1-4244-2009-4. - p. 143-148. (in English)
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