

Publications 2003

Journals

- [1] BOJNA, I.: Application of Residual Current Operated Circuits in Assemblies for Construction Sites. In: EE - časopis pre elektrotechniku a energetiku. - Vol.9, No.3 (2003), - p. 40. (in Slovak)
- [2] BOJNA, I.: Connection Effectiveness of the Switchgear and Controlgear Assembly Exposed-Conductive-Parts to the Protective Circuits. In: EE - časopis pre elektrotechniku a energetiku. - Vol.9, No.2 (2003), - p. 37. (in Slovak)
- [3] BOJNA, I.: Frequency or Oscillation? In: EE - časopis pre elektrotechniku a energetiku. - Vol. 9, No.4 (2003), - p. 37. (in Slovak)
- [4] BOJNA, I.: Identification of Conductors by Colours or Numerals According to STN EN 60446. In: EE - časopis pre elektrotechniku a energetiku. - Vol.9, No.6 (2003), - pp. 30-31. (in Slovak)
- [5] BOJNA, I.: Marking of Electrical Equipment with Ratings Related to Electrical Supply. In: EE - časopis pre elektrotechniku a energetiku. - Vol.9, No.2 (2003), - p. 36. (in Slovak)
- [6] BOJNA, I.: New Slovak Technical Standards. In: EE - časopis pre elektrotechniku a energetiku. - Vol.9, No.3 (2003), - pp. 36-37. (in Slovak)
- [7] BOJNA, I.: New Electrical Standards of Class 33. In: EE - časopis pre elektrotechniku a energetiku. - Vol.9, No.1 (2003), - pp. 38-39. (in Slovak)
- [8] BOJNA, I.: Switchgear and Controlgear Assemblies. In: Schneider magazin. - Vol.4, No.1 (2003), - p. 11. (in Slovak)
- [9] BOJNA, I.: Touch Current in Electrical Installations and Electrical Equipment. In: EE - časopis pre elektrotechniku a energetiku. - Vol.9, No.5 (2003), - pp. 36-37. (in Slovak)
- [10] BOJNA, I.: Large or High. In: EE - časopis pre elektrotechniku a energetiku. - Vol.9, No.1 (2003), - p. 43. (in Slovak)
- [11] BYDŽOVSKÝ, J., JANČÁRIK, V., KOLLÁR, M., KRAUS, L., ŠVEC, P., UŠÁK, E.: Magnetoelastic Sensors for Civil Engineering and Geotechnology. In: Acta Avionica. - Vol.5, No.8/s (2003), - pp. 42-49. (in Slovak)
- [12] JANÍČEK, F., JASENEK, J., VAJDA, J.: Possibilities for the Study at the Faculty of Electrical Engineering and Information Technology of the Slovak University of Technology in Bratislava. In: EE - časopis pre elektrotechniku a energetiku. - Vol.9, Special Issue (2003), - pp. 58-59. (in Slovak)
- [13] JASENEK, J.: Global Changes in Engineering Education. In: Academia. - Vol.14, No.1 (2003), - pp. 6-11. (in Slovak)
- [14] JASENEK, J.: The State of the Bologna Process Implementation in Some European Countries. In: Spektrum. - Vol.9, No.5 (2003), - pp. 2-4. (in Slovak)
- [15] KOLLÁR, M.: Improving the Linearity of an Analog Voltage-to-Period Converter. In: Journal of Electrical Engineering. - Vol. 54, No. 11-12 (2003), - pp. 298-304. (in English)
- [16] KRAUS, L., BYDŽOVSKÝ, J., ŠVEC, P.: Continuous Stress Annealing of Amorphous Ribbons for Strain Sensing Applications. In: Sensors and Actuators A. - Vol.106 (2003), - pp. 117-120. (in English)
- [17] KRIVOŠÍK, P., BYDŽOVSKÝ, J., UŠÁK, E.: A New Approach to Modeling of Loss Separation in Grain-Oriented Fe-Si Laminations. In: Journal of Magnetism and Magnetic Materials. - Vol.254-255 (2003), - pp. 198-200. (in English)
- [18] ORAVEC, J.: Boundary Rise Times of Radar Switches Trigger Circuits with a Shock Wave. In: EE - časopis pre elektrotechniku a energetiku. - Vol.9, No.3 (2003), - pp. 6-7, 45. (in Slovak)
- [19] ORAVEC, J.: Parametrized Calculation and Grainful Design of Homogeneous Coaxial Lines Using NiZn Ferrite Types. In: Journal of Electrical Engineering. - Vol.54, No.11-12 (2003), - pp. 320-323. (in English)
- [20] SLÁMA, J., DOSOUDIL, R., VÍCEN, R., GRUSKOVÁ, A., OLAH, V., HUDEC, I., UŠÁK, E.: Frequency Dispersion of Permeability in Ferrite Polymer Composites. In: Journal of Magnetism and Magnetic Materials. - Vol.254-255 (2003), - pp. 195-197. (in English)

- [21] SLÁMA, J., GRUSKOVÁ, A., VÍČEN, R., VÍČENOVÁ, S., DOSOUDIL, R., FRANEK, J.: Composite Material with Substituted Li Ferrite for High-Frequency Applications. In: Journal of Magnetism and Magnetic Materials. - Vol.254-255 (2003), - pp. 642-645. (in English)
- [22] VALKO, L., BUČEK, P., DOSOUDIL, R., UŠÁKOVÁ, M.: Magnetic Properties of Ferrite-Polymer Composites. In: Journal of Electrical Engineering. - Vol.54, No.3-4 (2003), - pp. 100-103. (in English)

Conferences

- [1] BOJNA, I.: Electrical Installations of Buildings - Wiring Systems Requirements. In: 19th Meeting of Slovak Inspectors and Electrical Engineers : Poprad, Slovak Republic, 11.-12.11.2003. pp. 64-70. (in Slovak)
- [2] BOJNA, I.: Legislation and Standards in Electrical Engineering. In: 19th Meeting of Slovak Inspectors and Electrical Engineers : Poprad, Slovak Republic, 11.-12.11.2003. pp. 52-63. (in Slovak)
- [3] BOJNA, I.: New Standards in Electrical Engineering 2002. In: 11th Meeting "Safety of Works on Electrical Engineering" : Liptovský Mikuláš, Slovak Republic, 20.2.2003. pp. 5-12. (in Slovak)
- [4] BOJNA, I.: New Technical Standards in Electrical Engineering. In: 18th Meeting of Slovak Electrical Engineers : Bratislava, Slovak Republic, 26.-27.3.2003. pp. 81-92. (in Slovak)
- [5] BOJNA, I.: Protection against Electric Shock in Distribution and Transmission system. In: 31st Meeting of Slovak Inspectors and Electrical Engineers : Žilina, Slovak Republic, Oct.2003. pp. 10-18. (in Slovak)
- [6] BOJNA, I.: Protection Against Electric Shock in Distribution Electrical Installations According to PNE 33 200-1. In: Colloquium " Electrical Installations and Equipment" : Bratislava, Slovak Republic, 30.9.2003. pp. 38-48. (in Slovak)
- [7] BOJNA, I.: Practical Applications of Residual Current Operated Circuit Breakers in House and Industrial Installations. In: 19th Meeting of Slovak Inspectors and Electrical Engineers : Poprad, Slovak Republic, 11.-12.11.2003. pp. 36-45. (in Slovak)
- [8] BOJNA, I.: Verification and Checking of Electrical Appliances during Use According to STN 33 1610. In: Colloquium " Electrical Installations and Equipment" : Bratislava, Slovak Republic, 30.9.2003. pp. 32-37. (in Slovak)
- [9] BOJNA, I.: Some Problems of TN-Networks. In: 18th Meeting of Slovak Electrical Engineers : Bratislava, Slovak Republic, 26.-27.3.2003. pp. 93-102. (in Slovak)
- [10] BOŽEK, R., ŠUMICHRAST, L.: Ill-Conditioning of the ADI-FDTF and the SVE ADI-FDTD Method. In: 48th International Scientific Colloquium : Ilmenau, Germany, 22.-25.9.2003. pp. 341-342. (in English)
- [11] BOŽEK, R., ŠUMICHRAST, L.: Transparent Boundary Conditions for the "Wide-Angle" Beam Propagation Method. In: 12th International Symposium on Theoretical Electrical Engineering : Warsaw, Poland, 6.-9.7.2003. pp. 349-352. (in English)
- [12] BYDŽOVSKÝ, J., JANČARIK, V., KOLLÁR, M., KRAUS, L., ŠVEC, P., UŠÁK, E.: Design and Testing of Magnetoelastic Strain Sensors for Outdoor Application. In: 16th Conference "Soft Magnetic Materials" : Düsseldorf, Germany, 9.-12.9.2003. pp. T6-02. (in English)
- [13] FENDRYCH, F., KRAUS, L., ZAVETA, K., BYDŽOVSKÝ, J., ŠVEC, P.: Domain Structures and Magneto-Elastic Hysteresis of Amorphous Ribbon. In: 16th Conference "Soft Magnetic Materials" : Düsseldorf, Germany, 9.-12.9.2003. pp. T4-12. (in English)
- [14] FRANEK, J., BOJNA, I.: Mechanical Forces Analysis in Electrostatical Field of the Plate Capacitor. In: 6th International Conference on Advanced Methods in the Theory of Electrical Engineering : Pilsen, Czech Republic, 10.-12.9.2003. pp. F9-12. (in English)
- [15] GRUSKOVÁ, A., LIPKA, J., PAPÁNOVÁ, M., KEVICKÁ, D., GONZÁLEZ, A., TÓTH, I., SLÁMA, J.: Mössbauer Study of Microstructure and Magnetic Properties (Co, Ni)-Zr Substituted Ba Ferrite Particles. In: International Conference on the Applications of the Mössbauer Effect : Muscat, Sultanate of Oman, 21.-25.9.2003. pp. T3/21. (in English)
- [16] GRUSKOVÁ, A., SLÁMA, J., PAPÁNOVÁ, M., KEVICKÁ, D., JANČARIK, V., DOSOUDIL, R., GONZÁLEZ-ANGELES, A., MENDOZA-SUÁREZ, G., LIPKA, J., UŠÁKOVÁ, M.: Ni-Sn Substituted Barium Hexaferrite Prepared by Precursor and Mechanical Alloying Method. In: 16th Conference "Soft Magnetic Materials" : Düsseldorf, Germany, 9.-12.9.2003. pp. T5-05. (in English)

- [17] JASENEK, J.: Polarization Optical Time-Domain Reflectometry as an Efficient Tool for Polarization Mode Dispersion Measurement. In: 13th International Travelling Summer School on Microwaves & Lightwaves 2003 : Darmstadt, Germany, 12.-17.7.2003. (in English)
- [18] JASENEK, J., HLAVÁČ, M.: The Use of Polarization Optical Reflectometry for Sensoric Purposes. In: Conference "Optical Communications 2003" : Prague, Czech Republic, 21.-22.10.2003. pp. 57-64. (in Slovak)
- [19] KOLLÁR, M., JANČÁRIK, V., BYDŽOVSKÝ, J.: Influence of Substrate on Magneto-Elastic Sensor Transfer Characteristics. In: 6th International Conference on Advanced Methods in the Theory of Electrical Engineering : Pilsen, Czech Republic, 10.-12.9.2003. pp. C01-4. (in English)
- [20] PALA, J.: Computer Controlled System for Magnetic Measurements. In: 6th Scientific Conference on Electrical Engineering & Information Technology for PhD. Students : Bratislava, Slovak Republic, 25.11.2003. pp. 45-47. (in English)
- [21] PALA, J., BYDŽOVSKÝ, J.: Determination of Structural Changes by Barkhausen Noise Analysis. In: 6th International Conference on Advanced Methods in the Theory of Electrical Engineering : Pilsen, Czech Republic, 10.-12.9.2003. pp. C13-16. (in English)
- [22] SLÁMA, J., DOSOUDIL, R., UŠÁKOVÁ, M., GRUSKOVÁ, A., OLAH, V., PAPÁNOVÁ, M., HUDEC, I.: Modification of Electromagnetic Properties of Magnetopolymer Composites. In: 16th Conference "Soft Magnetic Materials" : Düsseldorf, Germany, 9.-12.9.2003. pp. T5-15. (in English)
- [23] SLÁMA, J., GRUSKOVÁ, A., KEVICKÁ, D., PAPÁNOVÁ, M., JANČÁRIK, V., DOSOUDIL, R., MENDOZA-SUÁREZ, G., GONZÁLEZ-ANGELES, A.: Magnetic Properties of Selected Ions Doped M-Type Barium Ferrite. In: 16th Conference "Soft Magnetic Materials" : Düsseldorf, Germany, 9.-12.9.2003. pp. T5-14. (in English)
- [24] SLÁMA, J., GRUSKOVÁ, A., PAPÁNOVÁ, M., KEVICKÁ, D., GONZÁLEZ-ANGELES, A., MENDOZA-SUÁREZ, G.: Magnetic Properties of (Zr-Me) Substituted Ba-Hexaferrite. In: International Conference on Magnetism : Rome, Italy, 27.7.-1.8.2003. p. 201. (in English)
- [25] ŠUMICHRASŤ, E.: Fundamentals of the Optical Waveguide Theory. In: 13th International Travelling Summer School on Microwaves & Lightwaves 2003 : Darmstadt, Germany, 12.-17.7.2003. (in English)
- [26] ŠUMICHRASŤ, E., BOŽEK, R.: Comparison of the Numerical Power Amplification / Attenuation Due to Illconditioning in the ADI-FDTD and the SVE-ADI-FDTD Method. In: 17th International Conference on Applied Electromagnetics and Communications : Dubrovnik, Croatia, 1.-3.10.2003. pp. 270-273. (in English)
- [27] ŠUMICHRASŤ, E., BOŽEK, R.: On the Use of the Fourier Transform in Ill-Conditioned Problems. In: 6th International Conference on Advanced Methods in the Theory of Electrical Engineering : Pilsen, Czech Republic, 10.-12.9.2003. pp. B65-70. (in English)
- [28] UŠÁKOVÁ, M., DOSOUDIL, R., JANČÁRIK, V., ČERVEŇ, I., KEVICKÁ, D.: Investigation of Structural and Magnetic Parameters of NiZn Ferrites. In: 8th International Conference "Technology 2003" : Bratislava, Slovak Republic, 9.-10.9.2003. (in Slovak)
- [29] ZENTNER-PILINSKY, S., ŠIPUŠ, Z., ŠUMICHRASŤ, E.: Computer Modeling of High Bit Rate Optical Links. In: Conference EUROCON 2003 : Ljubljana, Slovenia, 22.-24.9.2003. pp. 193-197. (in English)
- [30] ZENTNER-PILINSKY, S., ŠIPUŠ, Z., ŠUMICHRASŤ, E.: Modeling of Optical Link Using Finite-Differential Method. In: 7th International Conference on Telecommunications ConTEL 2003 : Zagreb, Croatia, 11.-13.6.2003. pp. 383-388. (in English)
- [31] ZENTNER-PILINSKY, S., ŠIPUŠ, Z., ŠUMICHRASŤ, E.: On Accuracy of Finite-Difference Method in Optical Pulse Propagation Modeling. In: 17th International Conference on Applied Electromagnetics and Communications : Dubrovnik, Croatia, 1.-3.10.2003. pp. 274-277. (in English)

Parts of Books

- [1] JASENEK, J., JURIŠICA, L., TURÁN, J., HRABOVCOVÁ, V.: Slovak Higher Education System in EIE Disciplines. In: Towards the Harmonisation of Electrical and Information Engineering Education in Europe. - Lisboa: Instituto Superior Técnico, 2003. - pp. 176-182. (in English)
- [2] UŠÁK, E.: Evaluation of AC Losses in High-Tc Superconductors Using Fourier Analysis. In: Biennial report 2001-2002. - Bratislava: IEE SAS, 2003. - pp. 135-136. (in English)

- [3] Encyclopedia Beliana. Slovak General Encyclopedia. Vol.3. / Part of Entries processed by: Franek, J., Jahn. P., Sláma, J. – Bratislava: SAV, 2003. 702 pp. (in Slovak)

Textbook

- [1] BOJNA, I.: Safety of Electrical Installations. Textbook for Professional Examination according to the Notice 718/2002 Z.z. - Bratislava: FEI STU, 2003. - 162 pp. (in Slovak)
- [2] BOJNA, I., KLUCH, K., MEDŇANSKÝ, M.: Commentary to the PNE 33 2000-1. - Bratislava: FEI STU, 2003. - 32 pp. (in Slovak)

Standard

- [1] Protection Against Electric Shock in Transmission and Distribution Network. / Aut.: BOJNA, I., DÚŽEK, I., ŠTENČLÁK, V., SUROVÝ, P., KLUCH, K., HUDÁK, D., MEDŇANSKÝ, M., VYSKOČ, J., NÉMETH, T. - No. PNE 33-200-1. - 153 pp. (in Slovak)