

DEPARTMENT OF MEASUREMENT

www:kmer.elf.stuba.sk

Head of Department

Prof. Ing. Viktor Smieško, PhD.

e-mail: viktor.smiesko@stuba.sk

Tel: ++421-2-654 29 600

Fax: ++421-2-654 40 227

I. STAFF

Professors	Prof. Ing. Viktor Smieško, PhD., Prof. Ing. Július Bajcsy, PhD., professor emeritus
Associate Professors	Doc. Ing. René Hartánský, PhD., Doc. Ing. Eduard Kaluš, PhD., Doc. Ing. Karol Kováč, PhD., Doc. Ing. Peter Kukuča, PhD., Doc. Ing. Rudolf Ravas, PhD., Doc. Ing. Lívia Syrová, PhD.
Assistant Professors	Ing. Oľga Čičáková, Mgr. Ján Grman, PhD., Ing. Miroslav Kamenský, PhD., Ing. Eva Králiková, Ing. Iveta Ondrášová, PhD.
Senior Scientists	Ing. Mikuláš Bittera, PhD., Ing. Jozef Hallon, Ing. Anton Krammer, Ing. Imrich Szolik
Technical Staff	Ružena Nagyová (secretary)
PhD. Students	Ing. Peter Čomaj, Ing. Miroslav Földi, Ing. Lucia Noskovičová, Ing. Marek Šuplata, Ing. Gabriel Války

II. EQUIPMENT

II.1 Teaching and Research Laboratories

- Electromagnetic Compatibility (EMC) Laboratory with a 4,5 x 4,5 x 8 m Semianechoic Shielded Chamber
- Precise Measurements Laboratory
- Laboratory of Distributed Measurement Systems
- Laboratory of Digital Signal Processing
- Laboratory of Diagnostics Systems
- Laboratory of Power Saving
- Laboratory of Nonelectrical Quantities
- Laboratory of Microprocessor Engineering
- Laboratory of Artificial Intelligence
- Laboratory of Visual Systems
- Laboratory of Telematics
- Metrological Laboratory

II.2 Special Measuring Instruments and Computers

- Calibrator DATRON 4700
- Digitizing Oscilloscopes up to 4 channels 1 GHz 5 GS/s
- VXI System (VX 4236 Digital Multimeter, VX 5520 VXI SLOT O Resource Manager, VX 1500 VXI D-Size Mainframe - 13 Slot, VX 4223 Counter/Timer)
- HP 84100A EMC Design Development System (HP 8591A Spectrum Analyzer and HP 11945A Close Field Probe Set)
- Agilent E7405A 26GHz EMC Analyzer
- R&S Measuring Receivers 9 kHz - 7000 MHz (ESVP, ESH3, ESHS10, ESVS10 and ESP17)
- Time domain EMI measuring receiver TDEMI 1G

- Measuring Antenna Set (BiConLog, Log. periodic, Biconical, Active Rod and Active Loop Antennas)
- Line Interference Simulator Set - Schaffner NSG 200
- Schaffner BEST 96 - Burst, Surge and Power Drop-out Simulator
- EM TEST VCS500 Combination Wave Generator
- EM TEST EFT500 Electric Fast Transients Generator
- EM TEST CWS500 Combination Wave Generator
- EM TEST UCS500 Combination Wave Generator
- Haefely PEFT - Electric Fast Transients/Burst Generator with EM 101 Coupling Clamp
- Haefely PESD 1600 - Electrostatic Discharge Simulator
- Rohde and Schwarz Signal Generator SMH (100 kHz ... 2000 MHz)
- Agilent E8257D PSG Analog Signal Generator 20 GHz
- Programmable AC Power Supply Chroma 61503 1500 VA Low Distortion
- Agilent ENA RF Network Analyzer E5071C 9 kHz – 3 GHz
- Automotive EMC Testing System UCS200N, LD200N, VDS 200N and PFS200
- High Voltage Divider HTS6-1
- Reference Noise Generator CGE 01 up to 18 GHz
- RF Network/Spectrum/Impedance Analyzer Agilent 4396B
- MicroWave Switch & Attenuator Agilent L4445A
- Calibration Set for RF Attenuators Agilent
- RF Power Amplifier 50 W 20 – 1000 MHz
- HF Power Amplifier MILMEGA AS0840 0.8 – 4 GHz 30/17W
- High Power Supply with Power Factor Correction SW 3500
- Low Distortion Amplifier/Harmonic Analyzer Tti HA1600A
- Electromagnetic Field Intensity Meter MP60000
- Large Set of Coupling Decoupling Networks for EMC Testing
- EMC Measurement Software

III. TEACHING

III.1 Undergraduate Study (Bc.)

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

Introduction to Engineering	(1st sem., 2-2h)	R. Ravas
Introduction to Engineering and Technical Documentation	(1st sem., 2-2h)	R. Ravas
Measuring Information Systems	(4th sem., 2-2h)	L. Syrová
Measurement	(4th sem., 2-3h)	P. Kukuča
Measurement	(5th sem., 2-2h)	P. Kukuča
Diagnostics and Testinng of Automobiles	(6th sem., 2-2h)	K. Kováč
Microprocessor Engineering	(6th sem., 2-2h)	R. Ravas
Technical Diagnostics	(6th sem., 3-2h)	K. Kováč
Measurement Technology	(3rd sem., 2-3h)	V. Smieško
Measurement Technology	(4th sem., 2-3h)	V. Smieško
Computer Architecture	(2nd sem., 3-2h)	R. Ravas
Measurement in Information Technology	(5th sem., 2-2h)	L. Syrová

Methodology of Measurement	(5th sem., 2-1h)	L. Syrová
III.2 Graduate Study (Ing.)		
Electromagnetic Compatibility	(2nd sem., 3-2h)	K. Kováč
Electromagnetic Compatibility	(1st sem., 3-2h)	K. Kováč
Visual Systems	(3rd sem., 2-3h)	R. Ravas
Telemetry and Information Transmission	(3rd sem., 3-2h)	P. Kukuča
Telemetry and Information Transmission	(4th sem., 3-2h)	P. Kukuča
Theory of Measuring Systems	(2nd sem., 3-2h)	R. Ravas
Digital Signal Processing	(2nd sem., 3-2h)	K. Kováč
Distributed Measurement Systems	(1st sem., 2-3h)	V. Smieško
Distributed Measurement Systems	(3rd sem., 2-3h)	V. Smieško
Digital Image Processing	(1st sem., 2-3h)	R. Ravas
Diagnostic Systems	(1st sem., 3-2h)	K. Kováč
Diagnostic Systems	(3rd sem., 3-2h)	K. Kováč
Methods and Tools of Artificial Intelligence	(2nd sem., 2-3h)	R. Ravas
Methods and Tools of Artificial Intelligence	(4th sem., 2-3h)	R. Ravas
Metrology, Testing and Quality Control	(2nd sem., 3-2h)	P. Kukuča
III.3 Distance Study (Bc.)		
Measurement Technology	(6th sem.)	V. Smieško
Measuring Information Systems	(6th sem.)	L. Syrová
Methodology of Measurement	(7th sem.)	L. Syrová
Technical Diagnostics	(8th sem.)	K. Kováč
Computer Architecture	(2nd sem.)	R. Ravas
III.4 Distance Study (Ing.)		
Methods and Tools of Artificial Intelligence	(2nd sem.)	R. Ravas
Visual Systems	(3rd sem.)	R. Ravas
Electromagnetic Compatibility	(2nd sem.)	K. Kováč
III.5 Undergraduate Study for Foreign Students (in English Language)		
Measurement Technology	(3rd sem.)	L. Syrová, V. Smieško
Electronic Measurement	(4th sem.)	P. Kukuča
Microprocessor Systems	(7th sem.)	K. Kováč
Methodology and Measurement	(5th sem.)	L. Syrová
III.6 Graduate Study (Ing.) for Foreign Students (in English Language)		
Electromagnetic Interference and Compatibility	(1st sem.)	K. Kováč

IV. RESEARCH PROJECTS

- Electromagnetic Compatibility of Large Systems. VEGA, 1/0551/09, V. Smieško
- Support of Research and Development Infrastructure from the Point of View of Electromagnetic Compatibility Requirements. State Research and Development Program, 338/2003, 2003 - 2010, K. Kováč
- Research and Development of Technical Equipment of Electromagnetic Compatibility (EMC) for Electronic Devices with Semiconductor Converters used in Railway Transport. APVV-99-028105, K. Kováč

V. COOPERATION

V.1 Cooperation in Slovakia

- Institute of Measurement Science, Slovak Academy of Sciences, Bratislava
- Slovak Institute of Metrology, Bratislava
- Nuclear Power Plants Research Institute, Trnava
- Department of Theoretical Electrical Engineering and Electrical Measurement, FEI TU Košice
- Slovak Institute of Technical Standardization, Bratislava
- Office for Standardization, Metrology and Testing of Slovak Republic, Bratislava
- National Security Authority, Bratislava
- Slovak Power Plants, Bratislava
- University of Žilina, Žilina
- Faculty of Mechatronics, Trenčín University, Trenčín
- Volkswagen Slovakia, jsc., Bratislava
- Slovak Electric Transmission System, jsc., Bratislava
- Západoslovenská energetika, jsc., Bratislava
- Stredoslovenská energetika, jsc., Žilina
- Elektrovod Holding, jsc., Bratislava
- LIV ELEKTRA, jsc., Bratislava

V.2 International Cooperation

- Department of Measurement, Czech Technical University, Prague, Czech Republic
- Katholieke Hogeschool Brugge - Oostende, Oostende, Belgium
- University of York, York, England
- European Organization for Nuclear Research CERN, Geneva, Switzerland
- Institute of Logistics and Warehousing (ILIM), Poznań, Poland
- Austrian Research Centre, Seibersdorf, Austria

V.3 Membership in International Organizations and Societies

- V. Smieško: The European Academy of Sciences and Arts
- V. Smieško: IEEE - The Institute of Electrical and Electronics Engineers
- V. Smieško: IEE - The Institution of Electrical Engineers, Fellow
- V. Smieško: The International Information Academy
- P. Kukuča: IEE - The Institution of Electrical Engineers
- V. Smieško: URSI – Scientific Commission for Electromagnetic Noise and Interference

V.4 Contracts

- V. Smieško, P. Kukuča et al.: Realization and Evaluation of Measurements of Purpose Comprehensive Analysis of Disproportions in Energy Losses Evaluation in Transmission System. Contract with SEPS, jsc., Bratislava.
- K. Kováč et al.: EMC Testing and Consultancy. Contracts for Small and Medium Enterprises

VI. THESES**VI.1 Masters Theses**

Masters theses supervised at the Department of Measurement. The names of supervisors are in brackets.

- [1] Bielik, P.: Pedagogical Instrument – AD Converter. (A. Krammer)
- [2] Kmeť, A.: Genetics Algorithms in Task of Optimalization. (J. Grman)
- [3] Krammer, P.: Reconstruction of the Shape of 3D Objects. (L. Syrová)
- [4] Kuťka, T.: Teaching Aid for Demonstration of the Properties of Neural Networks (J. Grman)
- [5] Štíh, M.: Computer Analysis of EMC Antennas. (M. Bittera)
- [6] Váľky, G.: Automated System for Radiated Emission Measurement. (M. Bittera)

VI.2 Doctoral Theses

- [1] Grman, J.: Automatization of Defectoscopy Measurement of a Heat-exchanger Tubes Using Eddy-current. (R. Ravas)
- [2] Kamenský, M.: Contribution to Automatic Correction of ADC. (K. Kováč)

VII. OTHER ACTIVITIES

- Chairman of the Council of Universities of Slovak Republic (V. Smieško)
- Member of Slovak Republic Government Council for Science and Technology (V. Smieško)
- Member of Scientific Council of the Slovak Academy of Sciences (V. Smieško)
- Vice-chairman of Scientific Council for Electronics of the Slovak Academy of Sciences (V. Smieško)
- Member of Scientific Council of Institute of Measurement Science in Slovak Academy of Sciences (V. Smieško)
- Member of Scientific Council of the FEI STU (V. Smieško)
- Chairman of Council for State Program of Ministry of Education SR (V. Smieško)
- Member of Chairmanship of Slovak Research and Development Agency (V. Smieško)
- Member of Accreditation Board for Research Institution in SR (V. Smieško)
- Membership in the Slovak Electrotechnical Committee (P. Kukuča)
- Membership in the Scientific Council of the Slovak Institute of Metrology (P. Kukuča, V. Smieško)
- Membership in the Slovak National Technical Standardisation Committees (K. Kováč, P. Kukuča)
- Membership in the Technical Subcommittees of IMEKO (TC1 - J. Bajcsy, TC19 - K. Kováč)
- Participation in the Program Committees of Conferences:
 - 7th International Conference supported by IMEKO TC-7 MEASUREMENT 2009 (V. Smieško)
 - Electrical Engineering and Information Technology 2009, Trenčín (V. Smieško)
 - International Symposium Advances in Mechatronics 2009, Brno (V. Smieško)
 - International Conference Applied Electronics 2009, Plzeň (P. Kukuča)
- Membership in the Editorial Boards of Journals:
 - Journal of Electrical Engineering (V. Smieško)
 - AT&P Journal (V. Smieško)
 - EE - Journal of Electrical and Power Engineering (V. Smieško, P. Kukuča)
 - Metrology and Testing (P. Kukuča)
 - Measurement Science Review – on-line edition (V. Smieško)
 - Acta Electrotechnica et Informatica (V. Smieško)
- Auditor of Slovak National Accreditation Service (J. Bajcsy, K. Kováč, M. Bittera, J. Hallon)

VIII. PUBLICATIONS

VIII.1 Journals

- [1] BITTERA, M.: The Uncertainties of Electrical Quantities Measurement (4). In: AT&P Journal. - ISSN 1335-2237. - Vol. 16, No. 4 (2009), p. 51. (in Slovak)
- [2] ČIČÁKOVÁ, O., KRÁLIKOVÁ, E.: Use of LabVIEW in Exercises and Student Works in Measurement Automation. In: EE časopis pre elektrotechniku a energetiku. - ISSN 1335-2547. - Vol. 15, Special Issue (2009), p. 185-187. (in Slovak)
- [3] HARŤANSKÝ, R., HALLON, J.: Measurement of Electric Field Sensor Based on Resistively Loaded Dipole. In: Vestnik iževskogo gosudarstvennogo techničeskogo universiteta. - ISSN 1813-7903. - No. 3 (2009), p. 123-126. (in Russian)
- [4] KALUŠ, E., KUKUČA, P.: Measurement of Basic Electric Quantities - the Apparent and Other Powers. In: EE časopis pre elektrotechniku a energetiku. - ISSN 1335-2547. - Vol. 15, No. 1 (2009), p. 10-14. (in Slovak)
- [5] KAMENSKÝ, M., KOVÁČ, K.: Iterative Method and Dithering with Averaging Used for Correction of ADC Error. In: Measurement Science Review. - ISSN 1335-8871. - Vol. 9, No. 4 (2009), p. 86-88. (in English)
- [6] KUKUČA, P.: The Uncertainties of Electrical Quantities Measurement (1). In: AT&P Journal. - ISSN 1335-2237. - Vol. 16, No. 1 (2009), p. 25-26. (in Slovak)
- [7] KUKUČA, P.: The Uncertainties of Electrical Quantities Measurement (2). In: AT&P Journal. - ISSN 1335-2237. - Vol. 16, No. 2 (2009), p. 64-65. (in Slovak)
- [8] KUKUČA, P.: The Uncertainties of Electrical Quantities Measurement (3). In: AT&P Journal. - ISSN 1335-2237. - Vol. 16, No. 3 (2009), p. 72-73. (in Slovak)
- [9] NOSKOVIČOVÁ, L.: Toolbox for Camera - Self Calibration. In: Posterus.sk. - ISSN 1338-0087. - September (2009), <http://www.posterus.sk/?p=2071>. (in English)

VIII.2 Conference Proceedings

- [1] BITTERA, M., SMIEŠKO, V.: Effect of Cable Termination on EMI Measurement Results. In: Measurement 2009: Proceedings. 7th International Conference on Measurement. Smolenice, Slovak Republic, 20.-23.5.2009. - Bratislava: Institute of Measurement Science Slovak Academy of Sciences, 2009. - ISBN 978-80-969672-1-6. - p. 313-316. (in English)
- [2] BITTERA, M., ŠTIH, M.: Modelling of Wire Antennas. In: Mechatronika 2009: Proceedings of 12th International Conference on Mechatronics. Trenčianske Teplice, Slovak Republic, 3.-5.6.2009. - Trenčín: Alexander Dubcek University of Trenčín, 2009. - ISBN 978-80-8075-392-4. - p. 73-76. (in English)
- [3] ČIČÁKOVÁ, O., SZOLIK, I., KRAMMER, A.: Complex System for EMC Immunity Tests. In: Applied Electronics 2009: International Conference. Pilsen, Czech Republic, 9.-10.9.2009. - Pilsen: University of West Bohemia, 2009. - ISBN 978-80-7043-781-0. - p. 87-90. (in English)
- [4] ČOMAJ, P., RAVAS, R.: Vectorization of Binary Raster Images. In: ELITECH '09: 11th Conference of Doctoral Students. Bratislava, Slovak Republic, 25.5.2009. - Bratislava: FEI STU, 2009. - ISBN 978-80-227-3091-4. - CD-Rom. (in English)

- [5] FÖLDI, M., RAVAS, R.: Correction and Quality Testing of Colour Images. In: ELITECH '09: 11th Conference of Doctoral Students. Bratislava, Slovak Republic, 25.5.2009. - Bratislava: FEI STU, 2009. - ISBN 978-80-227-3091-4. - CD-Rom. (in English)
- [6] FÖLDI, M., RAVAS, R.: Simple Method of Colour Images Correction. In: Annals of DAAAM for 2009 & Proceedings: 20th International DAAAM Symposium 'Intelligent Manufacturing & Automation: Focus in Theory, Practice and Education'. Vienna, Austria, 25.-28.11.2009. - Vienna: DAAAM International Vienna, 2009. - ISSN 1726-9679. - p. 1903-1904. (in English)
- [7] GRMAN, J., SYROVÁ, L.: Classifiability Analysis of Indications by Eddy-Current Testing of Nuclear Power Plant Heat-Exchanger Tube. In: Radioelektronika 2009: 19th International Conference. Bratislava, Slovak Republic, 22.-23.4.2009. - Brno: University of Technology, 2009. - ISBN 978-80-214-3865-1, ISBN 978-1-4244-3538-8. - p. 285-288. (in English)
- [8] GRMAN, J., RAVAS, R., SYROVÁ, L.: Classification of Mixed Indications in the Defectoscopy by Eddy-Current. In: Measurement 2009: 7th International Conference on Measurement. Smolenice, Slovak Republic, 20.-23.5.2009. - Bratislava: Institute of Measurement Science Slovak Academy of Sciences, 2009. - ISBN 978-80-969672-1-6. - p. 410-413. (in English)
- [9] HAVRILA, L., VOJENČIAK, M., KRÁLIKOVÁ, E.: Measurement of Current-Voltage Characteristics of Superconductors in the Magnetic Field. In: ŠVOČ 2009. Proceedings of Winning Works. Bratislava, Slovak Republic, 29.4.2009. - Bratislava: FEI STU, 2009. - ISBN 978-80-227-3094-5. - CD-Rom. (in Slovak)
- [10] JANÍK, J., ČIČÁKOVÁ, O., ŠPAKOVSKÝ, J., CSIBA, V., ČAPLOVIČOVÁ, M.: Workstation for Automated Measurement of Electron Emission Characteristic of Samples Covered by Carbon Nanotubes. In: Measurement 2009: 7th International Conference on Measurement. Smolenice, Slovak Republic, 20.-23.5.2009. - Bratislava: Institute of Measurement Science Slovak Academy of Sciences, 2009. - ISBN 978-80-969672-1-6. - p. 186-189. (in English)
- [11] KAMENSKÝ, M., KOVÁČ, K.: Correction of ADC Errors by Iterative Method with Dithering using Dither with Uniform Distribution. In: Annals of DAAAM for 2009 & Proceedings: 20th International DAAAM Symposium 'Intelligent Manufacturing & Automation: Focus in Theory, Practice and Education'. Vienna, Austria, 25.-28.11.2009. - Vienna: DAAAM International Vienna, 2009. - ISSN 1726-9679. - p. 1843-1844. (in English)
- [12] KAMENSKÝ, M., KOVÁČ, K.: Self-Correction of ADC Error Additive Iterative Method and Averaging of Dithered Samples. In: Measurement 2009: 7th International Conference on Measurement. Smolenice, Slovak Republic, 20.-23.5.2009. - Bratislava: Institute of Measurement Science Slovak Academy of Sciences, 2009. - ISBN 978-80-969672-1-6. - p. 7-10. (in English)
- [13] KOLLÁR, M., KOVÁČ, K.: Continuous vs. Discrete Height Scan Method in Normalized Site Attenuation Measurement for EMC Test Site Evaluation. In: Measurement 2009: 7th International Conference on Measurement. Smolenice, Slovak Republic, 20.-23.5.2009. - Bratislava: Institute of Measurement Science Slovak Academy of Sciences, 2009. - ISBN 978-80-969672-1-6. - p. 348-381. (in English)
- [14] KRAMMER, P., SYROVÁ, L.: Reconstruction of the Shape of 3D Objects by Structured Light. In: ŠVOČ 2009. Proceedings of Winning Works. Bratislava, Slovak Republic, 29.4.2009. - Bratislava: FEI STU, 2009. - ISBN 978-80-227-3094-5. - CD-Rom. (in Slovak)
- [15] NOSKOVIČOVÁ, L., RAVAS, R.: Camera Self-Calibration. In: ELITECH '09: 11th Conference of Doctoral Students. Bratislava, Slovak Republic, 25.5.2009. - Bratislava: FEI STU, 2009. - ISBN 978-80-227-3091-4. - CD-Rom. (in English)

- [16] NOSKOVIČOVÁ, L., RAVAS, R.: Image Selection for Camera Calibration. In: Annals of DAAAM for 2009 & Proceedings: 20th International DAAAM Symposium "Intelligent Manufacturing & Automation: Focus in Theory, Practice and Education". Vienna, Austria, 25.-28.11.2009. - Vienna: DAAAM International Vienna, 2009. - p. 1875-1876, ISSN 1726-9679. (in English)
- [17] RAVAS, R., SYROVÁ, L., GRMAN, J.: Correction of Optical Errors in the Images of Visualized Optically Transparent Polymeric Foils. In: Radioelektronika 2009: 19th International Conference. Bratislava, Slovak Republic, 22.-23.4.2009. - Brno: Brno University of Technology, 2009. - ISBN 978-80-214-3865-1, ISBN 978-1-4244-3538-8. - p. 301-304. (in English)
- [18] RAVAS, R., SYROVÁ, L.: Features Selection for the Classification of Visualized Transparent Polymeric Foils. In: Annals of DAAAM for 2009 & Proceedings: 20th International DAAAM Symposium "Intelligent Manufacturing & Automation: Focus in Theory, Practice and Education". Vienna, Austria, 25.-28.11.2009. - Vienna: DAAAM International Vienna, 2009. - p. 1847-1848, ISSN 1726-9679. (in English)
- [19] RAVAS, R., SYROVÁ, L., GRMAN, J.: The Use of Colour Image Properties in the Classification of Transparent Polymeric Foils. In: Measurement 2009: 7th International Conference on Measurement. Smolenice, Slovak Republic, 20.-23.5.2009. - Bratislava: Institute of Measurement Science Slovak Academy of Sciences, 2009. - ISBN 978-80-969672-1-6. - p. 331-334. (in English)
- [20] SMIEŠKO, V., JASENEK, J.: Slovak Higher Education and Bologna Process. In: Conference on Reforms of Higher Education in Europe: Warsaw, Poland, 12.3.2009. - Warsaw: Polish Ministry of Science and Higher Education, 2009. - http://www.erasmus.org.pl/s/p/artykuly/37/37/10_JS miesko.pdf. (in English)
- [21] ŠUPLATA, M., RAVAS, R.: Gaussian Pyramid Based Acceleration of Optical Flow Reconstruction. In: Radioelektronika 2009: 19th International Conference. Bratislava, Slovak Republic, 22.-23.4.2009. - Brno: University of Technology, 2009. - ISBN 978-80-214-3865-1. - ISBN 978-1-4244-3538-8. - p. 169-171. (in English)
- [22] VÁLKY, G.: Realtime Analysis of ECG Signal and Determining the Phase of Human Heart. In: ŠVOČ 2009. Proceedings of Winning Works. Bratislava, Slovak Republic, 29.4.2009. - Bratislava: FEI STU, 2009. - ISBN 978-80-227-3094-5. - CD-Rom. (in Slovak)
- [23] VODIČKA, V., GRMAN, J.: Artificial Intelligence in Games. In: ŠVOČ 2009. Proceedings of Winning Works. Bratislava, Slovak Republic, 29.4.2009. - Bratislava: FEI STU, 2009. - ISBN 978-80-227-3094-5. - CD-Rom. (in Slovak)

VIII.3 Book

- [1] SKALKA, J., CVIK, O., GENČI, J., GONDOVÁ, D., GRMAN, J., ILAVSKÁ, J., KLEINOVÁ, K., MAŤAŠOVSKÁ-TETŘEVOVÁ, M., MEŠKO, D., SAKALOVÁ, M., SOTOLÁŘ, J., TURŇA, J.: Prevention and Reveals of Plagiarism - Nitra: Constantine the Philosopher University in Nitra, 2009. - 126 p. - ISBN 978-80-8094-612-8. (in Slovak)