

CURRICULUM VITAE

Family name: Peulic
names: Aleksandar

First names: Aleksandar

Date of birth: 31.10.1969, Nis

Nationality: Serbian

Civil status: Married

First



Personal presentation:

https://www.researchgate.net/profile/Aleksandar_Peulic
<https://www.linkedin.com/in/aleksandar-peulic-327438224/>

Education:

Institution (Date from - Date to)	Degree(s) or Diploma(s) obtained:
University of Nis, Faculty of Electronic Engineering, Oct 1989. -Sep. 1994.	Bachelor of Science in electrical engineering, 10 semesters
University of Nis, Faculty of Electronic Engineering, Oct 1997. - May 2000.	Master of Science in electrical engineering
University of Kragujevac, Oct. 2005. - May 2007	PhD in electrical engineering and computer science
University of Alabama in Huntsville, USA Avg.2009.-Feb.2010	Post-doctoral fellowship Ministry of Education

Language skills: Indicate competence on a scale of 1 to 5 (1 - excellent; 5 - basic)

Language	Reading	Speaking	Writing
English	2	2	2
Russian	2	2	2
German	3	3	3
Slovenian	4	4 1	4 1

Greece	5	5	5
Italian	5	5	5

Membership of professional bodies:

Serbian Chamber of Engineers Projecting License **350 E950 07**

Drone Air Law Certificate, Civil Aviation Directorate of the Republic of Serbia

Other skills:

IAR Embedded Work Bench for Arm, TIMsp 430, Stm32CubeIDE, Xilinx ISE Design, Xilinx Vivado, Altium Designer, MATLAB, SciLab, NI LabView, HBM Catman, MPLAB, MikroC, OpenCV, Python, Verilog/VHDL, System Verilog, GeoMedia Intergraph, Qgis, Linux (Ubuntu, Mint, Centos OS), MS Windows, MS Visual Studio., PowerBi, PMI, Scrum project management

Certifications:

- Huawei, Artificial Intelligence certificate, AI certificate
- Huawei talent Python Programming Basic
- Huawei talent, Math Basic
- Oracle Academy Oracle Database Programming with PLSQL Database Programming with PLSQL
- Oracle Academy Java Programming
- Oracle Academy Java Fundamentals
- INTERGRAPH GIS Solutions - GeoMedia Professional Advanced User Training
- INTERGRAPH GIS Solutions - GeoMedia Professional Spatial Database Design
- *INTERGRAPH GIS Solutions - GeoMedia Professional*

Present position:

-University of Kragujevac, Department of Mathematics and Informatics, Faculty of Science, Full professor

-University of Belgrade, Faculty of Geography, Full professor

Key qualifications:

- Many years of experience in many areas of hardware and embedded software development, STM32Arm-Cortex, TI MSP430, Microchip Pic, rPi, Jetson, Xilinx FPGA
- Many years of experience in many areas of IoT hardware
- Excellent understanding of algorithms and data structures, controllers design, digital signal processing, image processing, signal acquisition.
- Many years of experience in GIS (Geographic Information System) projects.

Specific experience:

Country	Date from - Date to
Slovenia , <i>University of Maribor, Slovenia</i>	2005-2007
Austria , <i>Dr Schuhfried, Moedling</i>	2002-2005
Germany , <i>University of Applied Science Augsburg</i>	2010

Professional experience

<i>1994-1996</i>	Research Institute, Nis, Serbia	Hardware and software Engineer	Description: Development and maintenance of various embedded solutions in signal processing. Projects include: Hardware design, PID Controllers Design, Hardware platforms: Intel 8051, Technologies: Asm 8086, ASM Intel 51, DOS, Protel, Orcad, Matlab
<i>1996-2002</i>	Research Institute, Kragujevac, Serbia	Hardware and software Engineer	Description: Development and maintenance of various solutions in signal processing. Projects include: Digital signal processing, Signal Acquisition, PID Controllers Design, USART, I2C/SPI. Hardware platforms: Intel 8051, Siemens C509. Technologies: Asm 8086, ASM Intel 51, C, DOS, Protel, Orcad, Matlab, HBM
<i>2002-2005</i>	<i>Dr Schuhfried, Moedling, Austria, 2002-2005</i>	<i>External Hardware and software Engineer</i>	Description: Development various platforms in the field of wireless sensors network and embedded, implementation of USB device drivers for data acquisition systems platforms based on Microchip PIC microcontrollers, development radio frequency framework for signal conditioning based on low power RISC signal processors from Texas Instruments Technologies: C# Visual Studio, gcc, OpenSSH, Embedded Linux, Linux Ubuntu, Windows, IAR Embedded Work Bench.

<i>Avg.2008- Feb.2009</i>	<i>University of Alabama in Huntsville, USA</i>	<i>Senior hardware and software Engineer</i>	<p>Description:</p> <p>Development various platforms in the field of wireless sensors network and embedded systems with emphasis on health monitoring applications. Specific completed projects: Implementation of device drivers for memory on MSP430F169 microcontroller, implementation of device driver for high speed Bluetooth data acquisition software with specific high speed sampling of accelerometer and gyroscope, an original implementation of the in house PC monitoring software using device driver development synchronization protocol in C# Visual Studio .Net environment, using embedded Linux Shimmer wireless sensors in various data acquisition applications.</p>
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<i>Jul-2010, Oct.2010</i>	<i>University of Applied Science Augsburg Germany</i>	<i>Senior hardware and software Engineer</i>	<p>Description:</p> <p>Development various platforms in the field of open source software, open on-chip debugging (OpenOCD) and embedded systems in general with emphasis on OpenOCD and Embedded Linux, programming of Atmel ARM 7 microcontrollers using the free GNU toolchain, accessing/debugging of ARM microcontrollers with OpenOCD.</p> <p>Technologies: C, gcc, Python, OpenSSH, GIT, various patching utilities, Linux Ubuntu.</p>
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2018-2021	<i>DLS special systems</i>	<i>Project Leader, Senior hardware and software Engineer</i>	Development and maintenance of special control embedded project in military battle vehicle. The project is about military battle vehicle projectile charger, diagnostics and control, using on board device based on ARM Cortex M4. Technologies: Micro C, IAR for ARM, Stm32CubeIDE, various remote tools, CAN, USB, GIT, Windows, Linux, Altium Designer., Python OpenCV, Microsoft Visual Studio, Windows, Linux (Ubuntu) Image processing algorithms.
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2019- 2020	<i>Novelic, Belgrade</i>	<i>Embedded systems programmer stm32</i>	Programming on board device based on ARM Cortex M4 for radar systems Technologies: IAR Embedded Work Bench, Stm32CubeIDE
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2021- 2023	Tehnoterm, Jagodina	R&D Senior Consultant R&D Senior Consultant	Programming on board device based on ARM Cortex . Technologies: IAR Embedded Work Bench, Stm32CubeIDE
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Projects

- RMF project – LoRaWAN network in Kragujevac, Jul 2022 - Present
- Anomalies detection in video surveillance based on 5g edge devices Jan 2022 – Feb 2023
- Use of IoT sensing for addressing the air pollution in Serbia, Feb. 2022-Feb. 2023
- Programming on board communications protocols based on STM32 ARM Cortex M4 , Jan 2022 - Oct 2022
- Development application software modules based on artificial intelligence for recognition and counting appearances of public persons in broadcasts Mar 2022 - May 2022
- Development and maintenance of special control embedded project in armoured fighting vehicle, Oct 2018 - Oct 2021
- Programming on board device based on ARM Cortex M4 for radar systems Technologies Jan 2019 - Feb 2020
- Application of biomedical engineering in clinical and preclinical practice Oct 2011 - Jun 2018
- Building network of remote labs, 543667-TEMPU -1-20 13-1-RS-TEMPUS-JPHES ,Oct 2013 - Oct 2016
- GIS, Sumadija Mountain Island, Strategic Master Plan for Sustainable Development of Rudnik Mountain from 2014 to 2024
- GIS, Sumadija Mountain Island, Strategic Master Plan for Sustainable Development of Rudnik Mountain from 2014 to 2024
- Development of software and hardware in the field of bioengineering with application in clinical practice and Development of software and hardware in the field of bioengineering with application in clinical practice and Apr 2008 - Mar 2011
- Development various platforms in the field of open source software, open on-chip debugging (OpenOCD) and embedded systems in general with emphasis on OpenOCD and Embedded Linux , Jul 2010 - Oct 2010
- WUS MSDP project "Master in Remote Control "WUS MSDP project "Master in Remote Control " Oct 2009 - Oct 2010
- Development various platforms in the field of wireless sensors network and embedded systems with emphasis on health monitoring applications Aug 2008 - Feb 2009
- EXCHAHGE 3, Gis Trstenik Jan 2008 - Dec 2008

- Development various platforms in the field of wireless sensors network, LoRaWan, Jan 2002 - Dec 2005
- Development and maintenance of various solutions in signal processing Apr 1996 - Oct 200
- Development and maintenance of various embedded solutions in signal processing. Oct 1994 - Apr 1996

Other relevant information (e.g., Publications)

- Petrovic Milos N|,Vukicevic Arso M|,Djapan Marko J|0000-0002-8016-8422,Peulic Aleksandar S|0000-0003-3043-6879,Jovicic Milos N|,Mijailovic Nikola V|,Milovanovic Petar D|0000-0003-1461-8437,Grajic Mirko M|,Savkovic Marija|,Caiazzo Carlo|,Isailovic Velibor M|,Macuzic Ivan D|,Jovanovic Kosta M|0000-0002-9029-4465 (2022) Experimental Analysis of Handcart Pushing and Pulling Safety in an Industrial Environment by Using IoT Force and EMG Sensors: Relationship with Operators' Psychological Status and Pain Syndromes, SENSORS, vol. 22, br. 19, str. - (Article)
- Isailovic Velibor M|,Peulic Aleksandar S|0000-0003-3043-6879,Djapan Marko J|0000-0002-8016-8422,Savkovic Marija|,Vukicevic Arso M| (2022) The compliance of head-mounted industrial PPE by using deep learning object detectors, SCIENTIFIC REPORTS, vol. 12, br. 1, str. - (Article)
- Sustersic Tijana|0000-0003-1417-0521,Peulic Aleksandar S| (2022) FPGA Implementation of Expert System for Medical Diagnosis of Disc Hernia Diagnosis Based on Bayes Theorem, JOURNAL OF CIRCUITS SYSTEMS AND COMPUTERS, vol. , br. , str. - (Article; Early Access)

- **Peulic Aleksandar S|0000-0003-3043-6879,Peulic Miodrag|0000-0002-5984-2902,Jovanovic Zeljko|,Jokovic Milos|,Stojkovic Sanja|0000-0003-2292-5082,Vagic Nemanja| (2021) Locating and categorizing causes of discomfort during transport of patients to medical facilities, TRANSACTIONS IN GIS, vol. 25, br. 6, str. 2963-2981 (Article)**
- **Vukicevic Arso M|,Macuzic Ivan D|,Mijailovic Nikola V|,Peulic Aleksandar S|0000-0003-3043-6879,Radovic Milos D| (2021) Assessment of the handcart pushing and pulling safety by using deep learning 3D pose estimation and IoT force sensors, EXPERT SYSTEMS WITH APPLICATIONS, vol. 183, br. , str. - (Article)**
- **Sustersic Tijana|0000-0003-1417-0521,Peulic Miodrag|0000-0002-5984-2902,Peulic Aleksandar S|0000-0003-3043-6879 (2021) FPGA Implementation of Fuzzy Medical Decision Support System for Disc Hernia Diagnosis, COMPUTER SCIENCE AND INFORMATION SYSTEMS, vol. 18, br. 3, str. 619-640 (Article)**
- **Peulic Miodrag|,Jokovic Milos|,Sustersic Tijana|0000-0003-1417-0521,Peulic Aleksandar S|0000-0003-3043-6879 (2020) A Noninvasive Assistant System in Diagnosis of Lumbar Disc Herniation, COMPUTATIONAL AND MATHEMATICAL METHODS IN MEDICINE, vol. 2020, br. , str. - (Article)**
- **Sustersic Tijana|0000-0003-1417-0521,Rankovic Vesna M|0000-0002-5445-9971,Peulic Miodrag|0000-0002-5984-2902,Peulic Aleksandar S|0000-0003-3043-6879 (2020) An Early Disc Herniation Identification System for Advancement in the Standard Medical Screening Procedure Based on Bayes Theorem, IEEE JOURNAL OF BIOMEDICAL AND HEALTH INFORMATICS, vol. 24, br. 1, str. 151-159 (Article)**
- **Jovanovic Zeljko|,Blagojevic Marija|0000-0003-4186-0448,Jankovic Dragan S|,Peulic Aleksandar S|0000-0003-3043-6879 (2019) Patient comfort level prediction during transport using artificial neural network, TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, vol. 27, br. 4, str. 2817-2832 (Article)**
- **Jovanovic Zeljko|,Milosevic Marina|,Jankovic Dragan S|,Peulic Aleksandar S|0000-0003-3043-6879 (2019) Comfort level classification during patients transport, TECHNOLOGY AND HEALTH CARE, vol. 27, br. 1, str. 61-77 (Article)**

- **Peulic Aleksandar S|0000-0003-3043-6879,Sustersic Tijana|0000-0003-1417-0521,Peulic Miodrag|0000-0002-5984-2902 (2019) Non-invasive improved technique for lumbar discus hernia classification based on fuzzy logic, BIOMEDICAL ENGINEERING-BIOMEDIZINISCHE TECHNIK, vol. 64, br. 4, str. 421-428 (Article)**

- **Sustersic Tijana|0000-0003-1417-0521,Peulic Aleksandar S|0000-0003-3043-6879 (2019) Implementation of Face Recognition Algorithm on Field Programmable Gate Array (FPGA), JOURNAL OF CIRCUITS SYSTEMS AND COMPUTERS, vol. 28, br. 8, str. - (Article)**

- **Lukovic Vanja V|0000-0002-1887-6102,Krnet Radojka|0000-0002-2974-5132,Vulovic Ana|,Damnjanovic Djordje M|,Peulic Aleksandar S|0000-0003-3043-6879,Dimopoulos Christos|,Katzis Konstantinos| (2017) Comparison of the effectiveness of Logisim software tool and remote experiments based on Nexys 2 FPGA platform in learning digital circuits design, PROCEEDINGS OF 2017 4TH EXPERIMENT@INTERNATIONAL CONFERENCE (EXP.AT'17), vol. , br. , str. 247-252 (Proceedings Paper)**

- **Lukovic Vanja V|0000-0002-1887-6102,Krnet Radojka|0000-0002-2974-5132,Damnjanovic Djordje M|,Peulic Aleksandar S|0000-0003-3043-6879 (2017) The remote lab "Nexys 2 FPGA platform" aimed for learning design of digital circuits, PROCEEDINGS OF 2017 4TH EXPERIMENT@INTERNATIONAL CONFERENCE (EXP.AT'17), vol. , br. , str. 101-102 (Proceedings Paper)**

- **Djordjevic Natasa Z|,Paunovic Milica G|0000-0003-1557-7497,Peulic Aleksandar S|0000-0003-3043-6879 (2017) Anxiety-like behavioural effects of extremely low-frequency electromagnetic field in rats, ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH, vol. 24, br. 27, str. 21693-21699 (Article)**

- **Milankovic Ivan L|,Mijailovic Nikola V|,Filipovic Nenad D|,Peulic Aleksandar S|0000-0003-3043-6879 (2017) Acceleration of Image Segmentation Algorithm for (Breast) Mammogram Images Using High-Performance Reconfigurable Dataflow Computers, COMPUTATIONAL AND MATHEMATICAL METHODS IN MEDICINE, vol. , br. , str. - (Article)**

- **Peulic Aleksandar S|0000-0003-3043-6879,Milankovic Ivan L|,Mijailovic Nikola V|,Jovanovic Zeljko| (2016) Remotely Analyze Spine Angle in Rehabilitation After Spine Surgery using Acceleration and Gyro Sensors, PROCEEDINGS OF 2016 13TH INTERNATIONAL CONFERENCE ON REMOTE ENGINEERING AND VIRTUAL INSTRUMENTATION (REV), vol. , br. , str. 281-282 (Proceedings Paper)**
- **Peulic Aleksandar S|0000-0003-3043-6879,Damnjanovic Djordje M|,Krneto Radojka|0000-0002-2974-5132 (2015) A Laboratory Setup for Magnetic Field Distribution Monitoring, PROCEEDINGS OF 2015 3RD EXPERIMENT AT INTERNATIONAL CONFERENCE (EXP AT'15), vol. , br. , str. 331-336 (Proceedings Paper)**
- **Radovic Milos D|,Milosevic Marina|,Ninkovic Srdjan M|0000-0002-0396-0176,Filipovic Nenad D|,Peulic Aleksandar S|0000-0003-3043-6879 (2015) Parameter optimization of a computer-aided diagnosis system for detection of masses on digitized mammograms, TECHNOLOGY AND HEALTH CARE, vol. 23, br. 6, str. 757-774 (Article)**
- **Mijailovic Nikola V|,Vulovic Radun|,Milankovic Ivan L|,Radakovic Radivoje|,Filipovic Nenad D|,Peulic Aleksandar S|0000-0003-3043-6879 (2015) Assessment of Knee Cartilage Stress Distribution and Deformation Using Motion Capture System and Wearable Sensors for Force Ratio Detection, COMPUTATIONAL AND MATHEMATICAL METHODS IN MEDICINE, vol. , br. , str. - (Article)**
- **Milovanovic Alenka M|0000-0002-7651-2489,Koprivica Branko M|0000-0001-5014-6866,Peulic Aleksandar S|0000-0003-3043-6879,Milankovic Ivan L| (2015) Analysis of Square Coaxial Line Family, APPLIED COMPUTATIONAL ELECTROMAGNETICS SOCIETY JOURNAL, vol. 30, br. 1, str. 99-108 (Article)**
- **Milosevic Marina|,Jankovic Dragan S|0000-0003-1198-0174,Peulic Aleksandar S|0000-0003-3043-6879 (2015) Comparative analysis of breast cancer detection in mammograms and thermograms, BIOMEDICAL ENGINEERING-BIOMEDIZINISCHE TECHNIK, vol. 60, br. 1, str. 49-56 (Article)**

- **Milosevic Marina|,Jankovic Dragan S|0000-0003-1198-0174,Peulic Aleksandar S|0000-0003-3043-6879 (2014) Thermography Based Breast Cancer Detection Using Texture Features and Minimum Variance Quantization, EXCLI JOURNAL, vol. 13, br. , str. 1204-1215 (Article)**
- **Milosevic Marina|,Jankovic Dragan S|0000-0003-1198-0174,Peulic Aleksandar S|0000-0003-3043-6879 (2014) Segmentation for the enhancement of microcalcifications in digital mammograms, TECHNOLOGY AND HEALTH CARE, vol. 22, br. 5, str. 701-715 (Article)**
- **Jeremic Svetlana R|0000-0001-5571-6880,Filipovic Nenad D|,Peulic Aleksandar S|0000-0003-3043-6879,Markovic Zoran S|0000-0001-5964-049X (2014) Thermodynamical aspect of radical scavenging activity of alizarin and alizarin red S. Theoretical comparative study, COMPUTATIONAL AND THEORETICAL CHEMISTRY, vol. 1047, br. , str. 15-21 (Article)**
- **Cvetkovic Aleksandar M|0000-0001-9659-2001,Milasinovic Danko Z|0000-0002-8640-7973,Peulic Aleksandar S|0000-0003-3043-6879,Mijailovic Nikola V|,Filipovic Nenad D|,Zdravkovic Nebojsa D|0000-0003-0877-3684 (2014) Numerical and experimental analysis of factors leading to suture dehiscence after Billroth II gastric resection, COMPUTER METHODS AND PROGRAMS IN BIOMEDICINE, vol. 117, br. 2, str. 71-79 (Article)**
- **Filipovic Nenad D|,Djukic Tijana R|0000-0002-9913-6527,Radovic Milos D|,Cvetkovic Danijela M|0000-0001-7767-1345,Curcic Milena G|,Markovic Snezana D|0000-0002-3892-8977,Peulic Aleksandar S|0000-0003-3043-6879,Jeremic Branislav| (2014) Electromagnetic field investigation on different cancer cell lines, CANCER CELL INTERNATIONAL, vol. 14, br. , str. - (Article)**
- **Benkic Karl|,Peulic Aleksandar S|0000-0003-3043-6879 (2013) Routing tree implementation based on semimatching algorithm(s), 2013 21ST TELECOMMUNICATIONS FORUM (TELFOR), vol. , br. , str. 809-+ (Proceedings Paper)**
- **Dragicevic Snezana M|0000-0002-6244-0111,Peulic Aleksandar S|0000-0003-3043-6879,Bjekic Miroslav M|,Krnet Radojka|0000-0002-2974-5132 (2013) Measurement and Simulation of Energy Use in a School Building, ACTA POLYTECHNICA HUNGARICA, vol. 10, br. 2, str. 109-120 (Article)**

- **Radovic Milos D|,Djokovic Marina|,Peulic Aleksandar S|0000-0003-3043-6879,Filipovic Nenad D| (2013) Application of Data Mining Algorithms for Mammogram Classification, 2013 IEEE 13TH INTERNATIONAL CONFERENCE ON BIOINFORMATICS AND BIOENGINEERING (BIBE), vol. , br. , str. - (Proceedings Paper)**
- **Ebersold Zoran Z|,Mitrovic Nebojsa S|0000-0002-7971-6321,Djukic Slobodan R|0000-0002-9348-6374,Peulic Aleksandar S|0000-0003-3043-6879,Obradovic Dragisa| (2013) Low Frequencies for Cardboard Quality Assurance, MATERIALS TESTING, vol. 55, br. 2, str. 109-113 (Article)**
- **Peulic Aleksandar S|0000-0003-3043-6879,Milojevic Natasa|,Jovanov Emil S|0000-0001-6754-3518,Radovic Milos D|,Saveljic Igor B|,Zdravkovic Nebojsa D|0000-0003-0877-3684,Filipovic Nenad D| (2013) Modeling of Arterial Stiffness using Variations of Pulse Transit Time, COMPUTER SCIENCE AND INFORMATION SYSTEMS, vol. 10, br. 1, str. 547-565 (Article)**
- **Filipovic Nenad D|,Isailovic Velibor M|,Nikolic Dalibor D|0000-0001-5491-4586,Peulic Aleksandar S|0000-0003-3043-6879,Mijailovic Nikola V|,Petrovic Suzana|0000-0002-5629-6221,Cukovic Sasa|,Vulovic Radun|,Matic Aleksandar|0000-0001-9843-4357,Zdravkovic Nebojsa D|0000-0003-0877-3684,Devedzic Goran B|0000-0002-6589-5883,Ristic Branko M| (2013) Biomechanical Modeling of Knee for Specific Patients with Chronic Anterior Cruciate Ligament Injury, COMPUTER SCIENCE AND INFORMATION SYSTEMS, vol. 10, br. 1, str. 525-545 (Article)**
- **Peulic Aleksandar S|0000-0003-3043-6879,Dragicevic Snezana M|0000-0002-6244-0111,Jovanovic Zeljko|,Krnet Radojka|0000-0002-2974-5132 (2013) Flexible GPS/GPRS based System for Parameters Monitoring in the District Heating System, INTERNATIONAL JOURNAL OF COMPUTERS COMMUNICATIONS & CONTROL, vol. 8, br. 1, str. 105-110 (Article)**
- **Ebersold Zoran Z|,Mitrovic Nebojsa S|0000-0002-7971-6321,Djukic Slobodan R|0000-0002-9348-6374,Jordovic Branka|,Peulic Aleksandar S|0000-0003-3043-6879 (2012) Defectoscopy of Direct Laser Sintered Metals by Low Transmission Ultrasonic Frequencies, SCIENCE OF SINTERING, vol. 44, br. 2, str. 177-185 (Article)**

- **Peulic Aleksandar S|0000-0003-3043-6879,Dragicevic Snezana M|0000-0002-6244-0111,Jovanovic Zeljko|,Krnet Radojka|0000-0002-2974-5132 (2012) Laboratory experience in solving real-life engineering problems - Design and implementation of GPS/GPRS System for District Heating System Parameters Monitoring, TECHNICS TECHNOLOGIES EDUCATION MANAGEMENT-TTEM, vol. 7, br. 3, str. 1311-1318 (Article)**
- **Dragicevic Snezana M|0000-0002-6244-0111,Peulic Aleksandar S|0000-0003-3043-6879,Bjekic Miroslav M|,Krnet Radojka|0000-0002-2974-5132 (2012) Temperature Monitoring of School Building. Validation of Simulation Model by Comparison with Wireless Flexible Measurement Data, COMPES RENDUS DE L ACADEMIE BULGARE DES SCIENCES, vol. 65, br. 8, str. 1145-1150 (Article)**
- **Ebersold Zoran Z|,Mitrovic Nebojsa S|0000-0002-7971-6321,Djukic Slobodan R|0000-0002-9348-6374,Peulic Aleksandar S|0000-0003-3043-6879 (2012) A novel ultrasonic technique for material testing, TECHNICS TECHNOLOGIES EDUCATION MANAGEMENT-TTEM, vol. 7, br. 2, str. 614-621 (Article)**
- **Djokovic Marina|,Peulic Aleksandar S|0000-0003-3043-6879,Jovanovic Zeljko|,Damnjanovic Djordje M| (2012) Image Data Compression Based on Discrete Wavelet Transformation, METALURGIA INTERNATIONAL, vol. 17, br. 9, str. 179-190 (Article)**
- **Filipovic Nenad D|,Rosic Mirko A|0000-0002-2433-6882,Tanaskovic Irena|0000-0002-1877-3250,Milosevic Zarko|,Nikolic Dalibor D|0000-0001-5491-4586,Zdravkovic Nebojsa D|0000-0003-0877-3684,Peulic Aleksandar S|0000-0003-3043-6879,Kojic Milos R|,Fotiadis Dimitrios I|,Parodi Oberdan| (2012) ARTreat Project: Three-Dimensional Numerical Simulation of Plaque Formation and Development in the Arteries, IEEE TRANSACTIONS ON INFORMATION TECHNOLOGY IN BIOMEDICINE, vol. 16, br. 2, str. 272-278 (Article)**
- **Djokovic Marina|,Peulic Aleksandar S|0000-0003-3043-6879,Filipovic Nenad D| (2011) Automatic identification breast cancer using multiresolution algorithm, HEALTHMED, vol. 5, br. 6, str. 2051-2064 (Article)**
- **Filipovic Nenad D|,Peulic Aleksandar S|0000-0003-3043-6879,Zdravkovic Nebojsa D|0000-0003-0877-3684,Grbovic-Markovic Vesna M|,Jurisic-Skevin Aleksandra J| (2011) Transient finite element modeling of functional electrical stimulation, GENERAL PHYSIOLOGY AND BIOPHYSICS, vol. 30, br. 1, str. 59-65 (Article)**

- **Filipovic Nenad D|,Vulovic Radun|,Peulic Aleksandar S|0000-0003-3043-6879,Radakovic Radivoje|,Kosanic Djordje|,Ristic Branko M| (2009) Noninvasive determination of knee cartilage deformation during jumping, JOURNAL OF SPORTS SCIENCE AND MEDICINE, vol. 8, br. 4, str. 584-590 (Article)**
- **Peulic Aleksandar S|0000-0003-3043-6879,Pesovic Uros|,Benkic Karl|,Cucej Zarko| (2008) Performance analysis of improved ZigBee wireless network by simulation, PROCEEDINGS OF IWSSIP 2008: 15TH INTERNATIONAL CONFERENCE ON SYSTEMS, SIGNALS AND IMAGE PROCESSING, vol. , br. , str. 257-260 (Proceedings Paper)**
- **Dostanic Adam|,Peulic Aleksandar S|0000-0003-3043-6879,Randjic Sinisa S|,Pesovic Uros| (2007) Wireless sensor network wavelet signal processing, 2007 14TH INTERNATIONAL WORKSHOP ON SYSTEMS, SIGNALS, & IMAGE PROCESSING & EURASIP CONFERENCE FOCUSED ON SPEECH & IMAGE PROCESSING, MULTIMEDIA COMMUNICATIONS & SERVICES, vol. , br. , str. 475-478 (Proceedings Paper)**
- **Zdravkovic Nebojsa D|0000-0003-0877-3684,Peulic Aleksandar S|0000-0003-3043-6879 (2007) Position monitoring using a smart wireless network system, 2007 14TH INTERNATIONAL WORKSHOP ON SYSTEMS, SIGNALS, & IMAGE PROCESSING & EURASIP CONFERENCE FOCUSED ON SPEECH & IMAGE PROCESSING, MULTIMEDIA COMMUNICATIONS & SERVICES, vol. , br. , str. 113-116 (Proceedings Paper)**
- **Peulic Aleksandar S|0000-0003-3043-6879,Pesovic Uros|,Cucej Zarko| (2007) ZigBee wireless network performance analysis and electromagnetic fields modeling, 2007 14TH INTERNATIONAL WORKSHOP ON SYSTEMS, SIGNALS, & IMAGE PROCESSING & EURASIP CONFERENCE FOCUSED ON SPEECH & IMAGE PROCESSING, MULTIMEDIA COMMUNICATIONS & SERVICES, vol. , br. , str. 101-103 (Proceedings Paper)**
- **Peulic Aleksandar S|0000-0003-3043-6879,Randjic Sinisa S|,Cucej Zarko| (2005) Wireless monitoring system of biomedical data: security issues, IWSSIP 2005: Proceedings of the 12th International Workshop on Systems, Signals & Image Processing, vol. , br. , str. 471-474 (Proceedings Paper)**

- **Peulic Aleksandar S|0000-0003-3043-6879,Randjic Sinisa S| (2003) Computer based high radio frequency systems control, TELSIKS 2003: 6TH INTERNATIONAL CONFERENCE ON TELECOMMUNICATIONS IN MODERN SATELLITE, CABLE AND BROADCASTING SERVICE, VOLS 1 AND 2, PROCEEDINGS OF PAPERS, vol. , br. , str. 661-664 (Proceedings Paper)**