



Azir Aliu



Faculty : **Contemporary Sciences and Technologies**
Position : **Associate Professor**

Personal data

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Languages

- **Albanian**, Native
- **Macedonian**, C2 - Proficient
- **English**, C2 - Proficient
- **Turkish**, A2 - Elementary

Education

- **Jun 2007 - Nov 2011: Ph.D. in Computer Science**
Faculty: Faculty of Mathematics and Natural Sciences- Department Informatics
University "St. Cyril and Methodius", Skopje
Specialty: Artificial Intelligence
Thesis: "Advanced Pattern Recognition Techniques for Digital Mammography"
- **Feb 2003 - Jan 2007: Ms. Electrical Engineering in Computer Engineering**
Faculty: Faculty of Electrical Engineering
University "St. Cyril and Methodius",, Skopje, Republic of Macedonia
Specialty: Computer Science- biomedical informatics
Thesis: "Хиерархиска сегментација на мамографски слики"
- **Sep 1995 - Jan 2001: Electrical and Computer Engineering**
Faculty: Faculty of Electrical Engineering
University "St. Cyril and Methodius", Skopje, Republic of Macedonia
Specialty: Computer Science
Thesis: "Пореалистични симулации на невронски мрежи"

Publications

- Artan Luma, Ylber Januzaj, Besnik Selimi, Azir Aliu, Halil Snopce. **Embedded Identification System Based On Face Recognition**. In *THE IRES 8TH INTERNATIONAL CONFERENCE*, pp. 37-42. London, United Kingdom, 8 / 2015.
- Halil snopce, Azir Aliu. **Some Approaches for the Parallelization of the QR Decomposition of a Matrix**. In *International Journal of mathematical models and methods in applied sciences*, pp. 193-201. International Journal of mathematical models and methods in applied sciences, 4 / 2015. ISBN 1998-0140.
- Halil Snopce, Azir Aliu. **Systolic Approach for QR Decomposition**. In *Lecture notes in Electrical Engineering 343*, pp. 415-425. Springer, Switzerland 2015, 2015. ISBN 978-3-319-15764-1.

- Halil Snopce, Azir Aliu. **Parallelization of the QR Decomposition Method-Systolic Approach**. In *international conference on applied mathematics, computational science and engineering* . AMCSE , Varna, 9 / 2014.
- Halil Snopce, Azir Aliu. **Comparison among performance measures for parallel matrix multiplication algorithms**. In *Research Journal of Applied Sciences, Engineering and Technology (RJASET)*, pp. . 4415-442. RJASET, 8 / 2014.
- Halil Snopce, Azir Aliu. **Some Parallel Aspects of the QR Decomposition Method”**, **Proceedings of the international conference**. In *Advances on Computer Sciences and Informatics*, pp. 34-40. ACSI, Istanbul, 8 / 2014. ISBN 978-605-86637-1-8.
- Halil Snopce, Azir Aliu. **Latency Analysis in the 2-dimensional Systolic Array for Matrix Multiplication**. In *Proceedings of the 2013 International Conference on Applied Mathematics and Computational Methods (AMCM)*, pp. 172-179. AMCM , Venice, 9 / 2013. ISBN 978-1-61804-208-8.
- Halil Snopce, Azir Aliu. **Analyzing of Some Performance Measures for Parallel Matrix Multiplication**. In *Federated Conference on Computer Science and Informations Systems* , pp. 511 – 514. FeDCSIS , Krakow, 9 / 2013.
- Azir Aliu. **Triple innovation models: Technology Park as an Institution for linking Academia, business sector, and government**. BANSKO, 8 / 2013.
- Azir Aliu. **translational neural engineering**. In *International Summer School on Neural Engineering (ISSNE)*. IEEE EMBS, Shanghai, China, 2013.
- Azir Aliu, Zamir Dika. **A step towards the virtual (open) campus, the role of the multimedia communication services**. In *VICES*. Firenze University Press, Italy, 2012. ISBN 978-88-6655-102-7.
- Azir Aliu, Ana Madevska Bogdanova, Margita Kon Popovska. **Feature extraction and selection of breast cancer on digital mammogram imaging by using support vector machines (SVM)**. In *Intelligent Systems* . IS, Ljubljana Slovenia, 2011.
- Azir Aliu. **Pattern Recognition in Mammogram Images**. In *Information Processing Department*. Bulgaria Academy of Sciences , Sofia, 2011.
- Azir ALIU, Margita Kon Popovska. **N dimensional moment invariants based approach for the analysis of mammography images using grid**. In *ICMS*. ICMS, Istanbul, 2010.
- Halil Snopce, Azir ALIU, Ilir Spahiu, Vesna Makasevska. **Methodological aspects of Mathematics using Computer Algebra Systems**. In *EDUCATION*. international conference on Engineering education, 2010.
- Azir ALIU, Stoyan Markov, Ana Madevska Bogdanova, Margita Kon Popovska, Maja Capova Stojcevska. **Image processing for digital mammography**. In *ICT- Inovation Conference*. ICT, Ohrid, 2009.
- Azir Aliu. **Grid Infrastructure and tools for grid-based medical platform. Algorithm for mammogram image contrast enhancement and hierarchical segmentation..** In *Institut for Parallel Processing*. Bulgarian Academy of Science, Sofia, 2009.
- Azir ALIU. **Enhancement and Breast Hierarchical Segmentation on Digital Mammograms**. In *3rd EGGE Forum Scientific Results Obtained Using Grid Technology*. EGGE, Clermond Ferrand, France, 2008.

Work Experience

- **Aug 2017 - Present : Associate Professor**
South East European University, Skopje
Type of business or sector: University
- **Oct 2012 - Present : Director**

SEEU TechPark, Tetovo
Type of business or sector: Technology Park

- **Jul 2012 - Aug 2017: Assistant Professor**
South East European University, Tetovo
Type of business or sector: University (Education and Research)
- **May 2013 - Jul 2017: Advisor to the Prime Minister for Higher Education, Science, innovation and ICT**
Office of the Prime Minister of the Republic of Macedonia, Republic of Macedonia
Type of business or sector: Government of the Republic of Macedonia
- **Sep 2012 - Sep 2013: Vice Dean for Postgraduate Studies**
South East European University, Tetovo
Type of business or sector: University
- **Oct 2003 - Jul 2012: Research and Teaching Assistant**
South East European University, Tetovo, Macedonia
Type of business or sector: University
- **Jun 2009 - Feb 2012: Coordinator of project**
SEEU, Macedonia
Type of business or sector: Research
Main responsibilities: Coordinator at SEEU for Tempus Project "Video Conferencing Educational Services (ViCES)"
Period (2009-2012) agreement number 144650-tempus-2008-IT-JPGR.
- **Jan 2008 - Jan 2011: Coordinator of project**
SEEU, Macedonia
Type of business or sector: Research
Main responsibilities: Coordinator of project "Grid Based eInfrastructure GRID" at SEEU
- **Jan 2007 - Jan 2009: Director of Research center**
South East European University, Tetovo
Type of business or sector: Research
- **Oct 2007 - Nov 2007: Visiting Researcher**
Bulgarian Academy of Science, Competence in 21 Century BIS-21++, Sofia
Type of business or sector: Research
Main responsibilities: Researcher at "Competence in 21 Century BIS-21++", FP6-2004-ACC-2, Sofia, Bulgaria.
- **Jan 2006 - Jun 2006: Consultant**
Ministry of Education and Science, Skopje
Type of business or sector: Planning and Education Management Information System (EMIS) Project founded by World Bank.
- **Aug 2001 - Sep 2003: Teacher**
Gimnasium "Pance Poposki", Gostivar, Gostivar, Macedonia
Type of business or sector: Secondary School
Main responsibilities: Teacher in Introduction in Informatics with Microsoft Office and Programming language