



## Halil Snopçe



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

### Personal data

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### Languages

- **Albanian**, Native
- **Macedonian**, C2 - Proficient
- **Turkish**, C1 - Advanced
- **English**, C1 - Advanced
- **Serbian**, C1 - Advanced

## Education

- **2007 - 2011: Doctor in Computer Science and Applied Mathematics**  
Faculty: CST-Faculty  
*South East European University, Tetovo, Republic of Macedonia*  
**Thesis:** "Design of Applicational Domain for Systolic Arrays Using Mathematical Transformations"
- **2003 - 2007: Master in Mathematics**  
Faculty: Faculty of Natural and Mathematical Sciences  
*University of Tirana, Tirana, Albania*  
*Specialty:* Numerical Analysis
- **1992 - 1997: Graduated in Mathematics**  
Faculty: Faculty of Natural and Mathematical Sciences  
*University of "St. Cyril and Methodius", Skopje, R.Macedonia*

## Publications

- Januzaj, Ylber; Luma, Artan; Aliu, Azir ; Selimi, Besnik; Raufi, Bujar; Snopce, Halil; Ramaj, Vehbi; . **USING DATA MINING TECHNIQUES TO CREATE AN AUTOMATED MODEL THAT MAKES COMPARISONS BETWEEN MARKET DEMANDS AND UNIVERSITY CURRICULA.** In *International scientific journal industru 4.0*, pp. 199-202. Scientific Technical Union of Mechanical Engineering , Bulgaria, 11 / 2018. ISBN 2534 8582.
- Halil Snopce and Sadri Aliji. **Student Satisfaction, Needs, Learning Outcomes and Motivation: A Case Study Approach at a SEE-University.** In *The Euroasia Proceedings of Educational and social Sciences*, , pp. 197- 202. ICRES, Turkey, 10 / 2018. ISBN 2587-1730.
- anuzaj, Ylber; Luma, Artan; Aliu, Azir; Selimi, Besnik; Raufi, Bujar; Snopce, Halil; H.Ramaj. **USING DATA MINING TECHNIQUES TO CREATE AN AUTOMATED MODEL THAT MAKES COMPARISONS BETWEEN MARKET DEMANDS AND UNIVERSITY CURRICULA.** In *The 20th International Workshop on Computer Science and Information Technologies*, pp. 43-46. Scientific Technical Union of Mechanical Engineering , Varna, Bulgaria, 9 /

2018. ISBN 978-619-7383-08-9.

- anuzaj, Ylber; Luma, Artan; Aliu, Azir; Selimi, Besnik; Raufi, Bujar; Snopce, Halil; . **The need for Automated Model Which Makes Matching Between Job Market Demand and University Curricula.** In *15th international conference on informatics and information technologies. Faculty of Computer Science and Engineering, Ss Cyril and Methodius University.* 6 / 2018.
- Zeqiri, Izet; Aliji, Sadri; Snopce, Halil; . **The Impact of Academic Experience on Teachers Performance. A Case Study of Student's Perceptions on Teachers' Assessment.** In *International conference ICEMST.* ICEMST, Turkey, 5 / 2018.
- Januzaj, Ylber; Luma, Artan; Selimi, Besnik; Aliu, Azir; Raufi, Bujar ; Snopce, Halil; . **A Model for Automated Matching Between Job Market Demand and University Curricula Offer.** In *SEEU Review, pp. 188-217.* SEEU, Skopje, 4 / 2018. ISBN 1409 7001.
- Sadri Alija, Halil Snopce and Marija Krsteska. **An Application of Decision Tree for Evaluating a Classroom Teaching Practice.** In *Universal Journal of Mathematics and mathematical sciences, pp. 65-75.* Pushpa, India, 5 / 2017. ISBN 2277-1417.
- Halil Snopce, Sadri Alija, Azir Aliu and Artan Luma. **Optimization of an Execution Time for Parallel Matrix Multiplication by Adding a New Set of Processors on the Array.** In *the 4th International conference on Recent Advances in Pure and Applied Mathematics.* ICRAPAM 2017, Kusadasi, Turkey, 5 / 2017.
- Halil Snopce, Sadri Aliji and Artan Luma. **Factors of Influence Into the Students Decision on Choosing the Direction of Studies in the Republic of Kosova.** In *The Eurasia Proceedings of Educational & Social Sciences (EPESS), 2016, pp. 93-98.* ICRES, Turkey, 9 / 2016. ISBN 2587-1730.
- Halil Snopce, Azir Aliu, Artan Luma and Sadri Aliji. **Educational Challenges in Choosing the Faculty of studying- case study for the Students from the Republic of Kosova.** In *proceedings of the International Multidisciplinary Scientific Conference on Social Sciences and Arts .* SGEM, Albena, Bulgaria, 8 / 2016.
- Azir Aliu, Halil Snopce and Artan Luma. **The impact of the Information and Communication Technology in Learning Mathematics- The Study for the Schools in Republic of Macedonia.** In *proceedings of the International Multidisciplinary Scientific Conference on Social Sciences and Arts .* SGEM 2016, Albena, Bulgaria, 8 / 2016.
- Azir Aliu, Artan Luma and Halil Snopce. **Implementation of the Information and Communication Technology in Learning.** In *Proceedings of the "International Conference on Education in Mathematics, Science and Education" .* ICEMST, "Bodrum, Turkey", 5 / 2016.
- Sadri Alija, Halil Snopce and Azir Aliu. **Logistic Regression for Determining Factors Influencing Students' Perception of Course Experience.** In *Proceedings of the International Conference on Research in Education and Science , pp. 279-286.* ICRES, " Bodrum Turkey", 5 / 2016.
- Halil Snopce and Azir Aliu. **Systolic Approach for QR-Decomposition.** In *lecture notes in electrical engineering by the title: "Computational problems in science and engineering", , pp. 415-424.* Springer international publishing , Switzerland , 9 / 2015. ISBN 1876-1100.
- Artan Luma, Ylber Januzaj, Besnik Selimi, Azir Aliu and Halil Snopce. **Embedded identification system based on face recognition.** In *Proceedings of the International Conference on Science technology and management , pp. 37-42.* IRES, "London, UK", 8 / 2015. ISBN 978-93-85465-83-3.
- Halil Snopce and Sadri Alija. **The Effects of Student Attendance in the Success of Undergraduate Mathematical Courses-The Case of the SEE-University.** In *Proceedings of the "International Conference on Education in Mathematics, Science and Education" (ICEMST 2015), pp. 140-146.* Antalya, Turkey, 4 / 2015. ISBN 978-605-61434-4-1.
- Sadri Alija and Halil Snopce. **Preference Learning Style in Matheamtics: Students Perception.** In *Proceedings of the "International Conference on Education in Mathematics, Science and Education" (ICEMST 2015), pp. 113-119.* Antalya, Turkey, 4 / 2015. ISBN 978-605-61434-4-1.

- Halil Snopce and 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. 4 / 2015. ISBN 1998-0140.
- Sh. Rexhepi, H. Snopce, E. Iseni and D. Ibishi. **On a Relation of Distribution with Series in L2 and Logarithmic Averages in the Case of Symmetric Jump Behavior.** In *Journal of Advances in Mathematics (JAM)*, vol 9, n.6, pp. 2733-2741. 12 / 2014. ISBN 2347-1921.
- E. Iseni, Sh. Rexhepi and H. Snopce. **On a Local Equality of Distributions and Relation of Jumps of Distributions with Fourier Series.** In *British Journal of Mathematics and Computer Science*, pp. 553-561. 11 / 2014. ISBN 2231-0851.
- Halil Snopce and Azir Aliu . **Parallelization of the QR Decomposition Method-Systolic Approach.** In *Proceedings of the "international conference on applied mathematics, computational science and engineering" (AMCSE 2014)*, . Varna, Bulgaria, 9 / 2014.
- Halil Snopce and Azir Aliu. **Some Parallel Aspects of the QR Decomposition Method.** In *Proceedings of the international conference "Advances on Computer Sciences and Informatics" (ACSI-2014)*, pp. 34-40. International Scientific cooperation, Istanbul, 8 / 2014. ISBN 978-605-86637-1-8.
- Halil Snopce and Azir Aliu. **Comparison among performance measures for parallel matrix multiplication algorithms.** In *Research Journal of Applied Sciences, Engineering and Technology (RJASET)*, Vol. 7, issue: 21, pp. 4415-4422. Maxwell scientific organization, 6 / 2014. ISBN 2040-7459.
- B. Krsteska and H. Snopce. **Intuitionistic Fuzzy Strongly Preopen Sets and Intuitionistic Fuzzy Strong Precontinuity.** In *Int. Journal of Math. Sci. & Eng. Appl. (IJMSEA)*, ISSN "0973-9424", Vol. 7 No. V, , pp. 259-270. Ascent publication house, , Pune, INDIA, 9 / 2013. ISBN 0973-9424.
- Halil Snopce, Azir Aliu. **Analyzing of Some Performance Measures for Parallel Matrix Multiplication.** In *Federated Conference on Computer Science and Informations Systems (FeDCSIS 2013)*,, pp. 511-514. IEEE-digital library, Krakow, Poland, 9 / 2013.
- 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 2013)*, , pp. 172-179. Venice, Italy, 9 / 2013. ISBN 978-1-61804-208-8.
- Halil Snopce. **The lower bound of processor elements for parallelization of some linear algebra algorithms.** In *the 1st International Western Balkans conference of Mathematical Sciences (IWBMCMS-2013)*,, pp. 97. Elbasan, Albania, 6 / 2013.
- H. Snopce. **The Importance of Ordering the Number of Lattice Points Inside a Rational Polyhedron Using Generating Functions.** In *International Journal of Computer Science and Electronics Engineering (IJCSEE)*, pp. 153-157. ISAET, Dubai, 3 / 2013. ISBN 2320-4028.
- B. Krsteska and H. Snopce. **Fuzzy Regular Spaces in Chang's Sense.** In *Far East Journal of Mathematical Sciences (FJMS)* (impact factor 0.25), pp. 31-39. Pushpa publishing house, Allahabad, India, 9 / 2012. ISBN 0972-0871.
- Ebibi M., Snopce H., Fetaji B. and Fetaji M. **Quantifying the Business Benefits of Implementing m-Commerce Software Solutions.** In *proceedings of ITI 2012, 34th international conference, 25-28 June 2012*, pp. 275 – 280. digital IEEE library, Dubrovnik (Cavtat), Croatia, 6 / 2012.
- J. BHUVANESWARI, B. KRSTESKA, N. RAJESH AND H. SNOPE. **INTUITIONISTIC FUZZY TOTAL CONTINUITY.** In *International J. of Math. Sci. & Engg. Appls. (IJMSEA)*, impact factor: 0,1752, pp. 45-53. ASCENT PUBLICATION HOUSE , PUNE, INDIA, 1 / 2012. ISBN "0973-9424".
- H.Snopce and I.Spahiu . **"Parallel computation of the SVD"**. In *Proceedings of the European Computing Conference*, , pp. 456-462. WSEAS Press, Paris, France, 4 / 2011. ISBN 978-960-474-297-4.

- H.Snopce and I.Spahiu . “**Paralelization of the SVD of the matrix-systolic approach**”. In *Proceedings of the International multicongress on Computer Science and information Technology*,, pp. 343-348. digital IEEE library, Wisla, Poland, , 10 / 2010. ISBN 978-83-60810-22-4.
- H.Snopce, I.Spahiu, A. Aliu and V. Makasevska . “**Methodological aspects of Mathematics using computer algebra systems**”. In *Proceedings of the 7th WSEAS Int. Conf. on ENGINEERING EDUCATION (EDUCATION '10)*, , pp. 355-361. WSEAS Press, Corfu Island, Greece, 7 / 2010. ISBN 978-960-474-202-8.
- H.Snopce and I.Spahiu . “**Some Characteristics of Systolic Arrays**”, . In *Proceedings of the WASET 2010, World Academy of Science, Engineering and Technology, Issue 64*,, pp. 245-251. Rome, Italy, , 4 / 2010. ISBN ISSN: 1307-6892.
- Halil B. Snopce,., “**The Generating Function for the Number of Lattice Points in Polytopes with applications**”,. In *Сборник с доклади от конференция с международно участие, проведена във В. Търново, по повод 25 години от създаването на Педагогическия факултет на ВТУ "Св. св. Кирил и Методий"* . В. Търново, Bulgaria, 11 / 2009. ISBN 978-954-400-422-4..
- Snopce H., and Grnarov A., . **Ordering The Lower Bound of Processor Elements for LU and QR Factorization**. In *proceedings of the IX international conference with international participants, ETAI* . Faculty of Electro-Technical Sciencis, UKIM, , 9 / 2009.
- H.Snopce and I.Spahiu. “**THE IMPORTANCE OF USING THE “OMEGA CALCULUS” IN COMPUTER ALGEBRA**”. In *Presentation in International Conference of Mathematical Sciences, ICMS*, . Maltepe University,, Istanbul, Turkey, 8 / 2009.
- Snopce H., Spahiu I.,. “**Some Characteristics of Systolic Arrays**”.. In *Presentation in International Conference of Mathematical Sciences, ICMS*, . Maltepe University,, Istanbul, Turkey, 8 / 2009.
- Snopce H. and I.Spahiu. **Ordering the Number of Lattice Points in Convex Polyhedron** . In *4th Annual South East European Doctoral Student Conference, POSTER Presentation*. Venue: STEIN Auditorium, Kalapothaki 2, , Thessaloniki – Greece, 7 / 2009.
- Snopce H., Spahiu. I., and Elmazi L . **An Implementation of MacMahon’s Partition Analysis in Ordering the Lower Bound of Processing Elements**. In *World Academy of Science, Engineering and Technology 54 2009*, pp. 602-607. Paris, France, 6 / 2009. ISBN ISSN: 2070-3724.
- Snopce H., and Spahiu. I. **An Implementation of MacMahon’s Partition Analysis in Ordering the Number of Lattice Points in Convex Polyhedron with Examples for Systolic Arrays**. In *ITI 2009, Proceedings of the 31st international conference*, pp. 659-664. SRCE-University Computing Center, University of Zagreb and IEEE digital library, Dubrovnik, Croatia, 6 / 2009. ISBN 978-953-7138-15-8.
- Snopce H., and Elmazi L. . **The importance of using the linear transformation matrix in determining the number of PEs in systolic arrays**. In *Proceedings of the ITI 2008, 30th international conference*, pp. 885-892. SRCE-University Computing Center, University of Zagreb and digital IEEE library, Dubrovnik (Cavtat), Croatia., 6 / 2008. ISBN 978-953-7138-12-7.
- Snopce H., and Elmazi L., . **reducing the number of processor elements in systolic arrays for matrix multiplication**. In *International journal of Computers, communication and control (IJCCC)*, impact factor: 0.650, pp. 486-490. Agora University, Oradea, R.Romania, Oradea, R. Romania, 4 / 2008. ISBN ISSN 1841-9836.
- Snopce H., and Elmazi L., . “**The advantage of using linear transformation matrix in minimizing the number of processor elements in systolic arrays for matrix multiplication**”. In *International Conference of Young Researchers*. Moldovan Association of Young Researchers „PRO-Science”, Chişinău, Moldova, 2007. ISBN 978-9975-62-196-0.

## Work Experience

- **2016 - Present : Associated professor**  
South East European University, Tetovo, Macedonia

*Type of business or sector: Education and Research*  
*Main responsibilities: The field of applied mathematics*

- **2011 - 2016: Assistant professor**  
"South East European University"., "Tetovo, Macedonia".  
*Type of business or sector: "Education and Research"*  
*Main responsibilities: For The subjects of Applied Mathematics*
- **2003 - 2011: Teaching and Research Assistant**  
"South East European University", "Tetovo, Macedonia".  
*Type of business or sector: "Education and Research"*  
*Main responsibilities: Assistant of Mathematical Subjects*
- **2008 - 2010: Pro-dean of CST Faculty**  
"South East European University"., "Tetovo, Macedonia".  
*Type of business or sector: "Education and Research",*  
*Main responsibilities: Pro-Dean for Administrative issues*
- **2000 - 2004: The Head of Municipal Council**  
Gostivar Municipality, R.Macedonia  
*Type of business or sector: Political (elected)*
- **Sep 1998 - Sep 2003: Professor of Mathematics**  
Gymnasium "Pance Popovski", Gostivar, Republic of Macedonia  
*Type of business or sector: Education*