



## Bujar Raufi



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

### Personal data

E-mail : **b.raufi@seeu.edu.mk**  
Address : **Ilindenska nn, 1200, Tetovo, Macedonia**  
Telephone : **+389 44 356 185**  
Fax : **+389 44 356 001**

### Languages

- **Albanian**, Native
- **English**, C2 - Proficient
- **Macedonian**, C2 - Proficient
- **French**, B2 - Upper Intermediate
- **Turkish**, B2 - Upper Intermediate

## Education

- **Nov 2006 - Sep 2011: Doctor of Computer Science**  
Faculty: French Faculty of Electrical Engineering  
*Technical University of Sofia, Sofia, Bulgaria*  
*Specialty: Computer Systems, Complexes and Networks*  
**Thesis:** "Development and Implementation of Adaptive Web-Based Systems Using Data Mining Techniques and Semantic Web"
- **Oct 2003 - Nov 2005: Master of Science in Informatics**  
Faculty: Master School - Internet Software Technologies Program  
*New Bulgarian University, Sofia, Bulgaria*  
*Specialty: The field of Internet Technologies*  
**Thesis:** "Development and Implementation of Online Examination System"
- **2001 - Nov 2003: Bachelor of Science in Computer Sciences**  
Faculty: Contemporary Sciences and Technologies  
*South East European University, Tetovo, Macedonia*  
*Specialty: Computer Sciences*

## Publications

- Januzaj, Ylber; Luma, Artan; Selimi, Besnik; Raufi, Bujar; **Evaluation Model that Makes Comparison Between Market Demands and University Curricula Offer**. In *International Journal on Information Technologies and Security*, pp. 17-28. 2020.
- Luma-Osmani, Shkurte; Ismaili, Florije; Raufi, Bujar; Zenuni, Xhemal; **Causal Reasoning Application in Smart Farming and Ethics: A Systematic Review**. In *Annals of Emerging Technologies in Computing (AETiC)*, pp. 10-19. 2020.

- Huseini, B; Ajdari, J; Raufi, B; Zenuni, Xh; Ismaili, F; **TRANSFORMATION FROM RELATIONAL DATABASE TO NOSQL DATABASE: MIGRATION AND INTEGRATION**. 3rd International Scientific Conference on Business and Economics - SEEU, Tetovo, 2019.
- Januzaj, Ylber; Luma, Artan; Aliu, Azir; Selimi Besnik; Raufi, Bujar; **WEB DATA SCRAPING TECHNIQUE AND PREPARATION FOR COMPARISON TECHNIQUES BETWEEN DIFFERENT DOCUMENTS**. In *International Journal on Information Technologies & Security, No 2 (vol. 11), pp. 71-86*. 2019.
- Raufi, B; Xhaferri, I; Ismaili, F; Ajdari, J; Zenuni, Xh; **Evaluation of Machine Learning Techniques for Hate Speech Detection In Mobile Platforms**. In *Communication & Cognition, pp. 73-91*. 2019.
- Nagavci, Diellza; Hamiti, Mentor; Ajdari, Jaumin; Selimi, Besnik; Raufi, Bujar; **A Systematic Mapping Study of Language Features Identification from Large Text Collection**. IEEE, Budva, 2019.
- Raufi, Bujar; Ismaili, Florije; Ajdari, Jaumin; Zenuni, Xhemal; **Web personalization issues in big data and Semantic Web: challenges and opportunities** . In *Turk J Elec Eng & Comp Sci* , pp. 2379-2394. 2019.
- Kryeziu, Nertila; Ismaili, Florije; Ajdari, Jaumin; Raufi, Bujar; Zenuni, Xhemal; **Energy Provider Data Warehouse Design and Implementation - Case Study**. IEEE, Varna, 2019.
- Raufi, Bujar; **Hybrid Models of Performance Using Mental Workload and Usability Features via Supervised Machine Learning**. Springer, Rome, 2019.
- Jaunzaj, Ylber; Luma, Artan; Aliu, Azir; Selimi, Besnik; Raufi, Bujar; Snopce, Halil; **The Need for an Automated Model which makes Matching between Job Market Demand and University Curricula**. 2018.
- Haxhijaha, Blerta; Ajdari, Jaumin; Raufi, Bujar; Zenuni, Xhemal; Ismaili, Florije; **QUERY OPTIMIZATION IN MICROSOFT SQL SERVER**. In *International Journal on Information Technologies & Security, pp. 13-22*. 2018.
- Sahatqija, Kosovare; Ajdari, Jaumin; Zenuni, Xhemal; Raufi, Bujar; Ismaili, Florije; **Comparison Between Relational and NOSQL Databases**. MIPRO, Opatija, 2018.
- Raufi, Bujar; Xhaferri, Ildi; **MODELLING AND IMPLEMENTATION OF MACHINE LEARNING TECHNIQUES FOR HATE SPEECH DETECTION IN MOBILE APPLICATIONS**. Varna, 2018.
- Deari, Raif; Zenuni, Xhemal; Ajdari, Jaumin; Ismaili, Florije; Raufi, Bujar; **ANALYSIS AND COMPARISON OF DOCUMENT-BASED DATABASES WITH SQL RELATIONAL DATABASES: MONGODB VS MYSQL**. 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*. 2017.
- Ferati, Mexhid; Kurti, Arianit; Vogel, Bahtijar; Raufi, Bujar; **Augmenting requirements gathering for people with special needs using IoT: a position paper**. ACM, New York, 2016.
- Raufi, Bujar; Ismaili, Florije; Ajdari, Jaumin; Zenuni, Xhemal; **Knowledgebase Harvesting for User-Adaptive Systems Through Focused Crawling and Semantic Web**. ACM, 2016.
- Ferati, Mexhid; Kurti, Arianit; Vogel, Bahtijar; Raufi, Bujar; Salvador, A, David; **Web Accessibility for Visually Impaired People: Requirements and Design Issues**. In *Usability- and Accessibility-Focused Requirements Engineering. Lecture Notes in Computer Science, pp. 79-96*. Springer, 2016.
- Ajdari, Jaumin; Mustafa, N; Zenuni, Xh; Raufi, B; Ismaili, F; **Impact of table partitioning on the query execution performance**. 2016.
- Abazi-Causi, B; Ismaili, F; Causi, A; Zenuni, Xh; Raufi, B; **Institutional Effectiveness Prediction Using Data Mining Techniques**. Institute of Research Engineers and Doctors, Rome, 2016.
- Ismaili, F; Ukalli, K; Zenuni, Xh; Raufi, B; Ajdari, J; **SEEU Study Programs Curricula in Linked Open Data**. Institute of Research Engineers and Doctors, Rome, 2016.

- Abazi-Causi, B; Ismaili, F; Causi, A; Zenuni, Xh; Raufi, B; **Institutional Effectiveness Prediction Using Data Mining Techniques**. In *Vol (3)*, pp. 9-13. 2016.

## Work Experience

- **Sep 2017 - Present : Associate Professor**  
South East European University, Tetovo, Macedonia  
*Type of business or sector: Education and research*
- **Sep 2012 - Sep 2017: Assistant Professor**  
South East European University, Tetovo, Macedonia  
*Type of business or sector: Education and Research*  
*Main responsibilities: Assistant Professor in Subjects (CCS-102) - Internet Technologies and CCS6020 - Computer Graphics*
- **Mar 2012 - Aug 2012: Teaching Assistant**  
South East European University, Tetovo, Macedonia  
*Type of business or sector: Education and Research*  
*Main responsibilities: Teaching Assistant in Subjects CCS1020 - Internet Technologies and CCS6020 - Computer Graphics as well as active involvement in research and publications in the field of Adaptive Web-Based Systems, Information Retrieval, Data Mining and Semantic Web.*
- **Sep 2008 - Mar 2012: Prodean for Postgraduate Studies**  
South East European University, Tetovo, Macedonia  
*Type of business or sector: Education and Research*  
*Main responsibilities: Managing 2nd cycle studies at faculty of Contemporary Sciences and Technologies. Enforcing university and faculty regulations and policies - Helping with staff engagements and academic planning - Curriculum development - Managing Teaching observation proc*
- **Sep 2005 - Sep 2008: Senior Assistant**  
South East European University, Tetovo, Macedonia  
*Type of business or sector: Education and Research*  
*Main responsibilities: Co-taught graduate level course for undergraduate studies in subjects like: Programming, Computer Networks, Data Structures and Algorithms, Computer Application in communications, Data Mining, Multimedia Systems and Computer Graphics with OpenGL.*
- **Sep 2003 - Sep 2005: Young Assistant**  
South East European University, Tetovo, Macedonia  
*Type of business or sector: Education and Research*  
*Main responsibilities: Duties at various times which have included office hours and leading weekly computer lab exercises in subjects like: Programming, Computer Networks, Data Structures and Algorithms, Computer Application in communications, Data Mining, Multimedia Systems.*