Assoc. Prof. Dr. Ylber Januzaj
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PERSONAL INFORMATION

Date of birth: 1 July 1991
Birthplace: Decan
Nationality: Kosovo

EDUCATION

South East European University, North Macedonia
Bachelor of Computer Science
Faculty of Contemporary Sciences and Technologies
October 2009 – June 2012

South East European University, North Macedonia
Master of Computer Science
Faculty of Contemporary Sciences and Technologies
Study Program: Database Management
October 2013 – June 2015

South East European University, North Macedonia
Doctor of Sciences in E-Technologies
Faculty of Contemporary Sciences and Technologies
Study Program: E-Technologies
Specialization: Data Mining
November 2015 – November 2019

PUBLICATIONS

[1] **Ylber Januzaj, Driton Sylqa, Artan Luma & Luan Gashi.** "A Textual Content Analysis Model for Aligning Job Market Demands and University Curricula through Data Mining Techniques". *International Journal of Interactive Mobile Technologies (IJIM)*, 18(14), pp. 164–176. https://doi.org/10.3991/ijim.v18i14.47901, 2024. **(SCOPUS INDEXED)**

[2] **Ylber Januzaj, Edmond Beqiri & Artan Luma.** "Determining the Optimal Number of Clusters using Silhouette Score as a Data Mining Technique". *International Journal of Online and Biomedical Engineering (iJOE)*, 19(04), pp. 174–182. https://doi.org/10.3991/ijoe.v19i04.37059, 2023. **(SCOPUS INDEXED)**

[3] **Luan Gashi, Artan Luma, Marika Apostolova & Ylber Januzaj.** "A Weighting Model of Cybersecurity Parameters Used for Service Placement". *International Journal of Online and Biomedical Engineering (iJOE)*, 19(07), pp. 88–98. https://doi.org/10.3991/ijoe.v19i07.39285, 2023. **(SCOPUS INDEXED)**

[4] **Luan Gashi, Artan Luma, Halil Snopçe & Ylber Januzaj.** " A Secure Recommender System Model for Service Placement in Wireless Networks". *International Journal of Interactive Mobile Technologies (iJIM)*, 17(11), pp. 115–130. https://doi.org/10.3991/ijim.v17i11.37369, 2023. **(SCOPUS INDEXED)**

[5] **Ylber Januzaj, Edmond Beqiri, & Artan Luma**. (2022). "Alignment of Higher Education Study Programs and Job Market Demand using Machine Learning Techniques – A Case Study on Balkan Countries' Universities". *International Journal of Emerging Technologies in Learning (iJET)*, *17*(19), pp. 150–158. https://doi.org/10.3991/ijet.v17i19.31825, 2022. **(SCOPUS INDEXED).**

[6] **Ylber Januzaj & Artan Luma**. Cosine Similarity – A Computing Approach to Match Similarity Between Higher Education Programs and Job Market Demands Based on Maximum Number of Common Words. *International Journal of Emerging Technologies in Learning (iJET)*, *17*(12), pp. 258–268. https://doi.org/10.3991/ijet.v17i12.30375, 2022. **(SCOPUS INDEXED).**

[7] **Gashi, L., Luma, A., Januzaj, Y.** "The integration of Wireless Sensor Networks, Mobile Networks and Cloud Engineering for a decision support system - A Systematic Literature Review". *HORA 2022 - 4th International Congress on Human-Computer Interaction, Optimization and Robotic Applications, Proceedings*, 2022. **(SCOPUS INDEXED).**

[8] **Buja, A., Apostolova, M., Luma, A., Januzaj, Y.** "Cyber Security Standards for the Industrial Internet of Things (IIoT) - A Systematic Review ". *HORA 2022 - 4th International Congress on Human-Computer Interaction, Optimization and Robotic Applications, Proceedings*, 2022. **(SCOPUS INDEXED).**

[9] **Artan Luma, Blerton Abazi, Azir Aliu, Halil Snopce and Ylber Januzaj.** "The implemention of the new encryption matematical model for cryptosystems". *In International Conference on Engineering Technologies (ICENTE'21), pp. 12-16. Selcuk University, Konya, TURKEY,* 11 / 2021. ISBN 978-625-44427-7-3.

[10] **Artan Luma, Blerton Abazi, Azir Aliu, Halil Snopce and Ylber Januzaj.** "Cybersecurity challenges for organizations". *In International Conference on Engineering Technologies (ICENTE'21), pp. 17-20. Selcuk University, Konya, TURKEY,* 11 / 2021. ISBN 978-625-44427-7-3.

[11] **Ylber Januzaj, Artan Luma, Besnik Selimi, Bujar Raufi.** "Evaluation of model that makes comparison between market demands and university curricula". *In International Journal on Information Technologies & Security, № 2 (vol. 11), Union of Scientists in Bulgaria , Bulgaria,* 12/2019.

[12] **Ylber Januzaj, Artan Luma, Besnik Selimi, Bujar Raufi.** "Web data scraping technique and preparation for comparison techniques between different documents". *In International Journal on Information Technologies & Security, № 2 (vol. 11), Union of Scientists in Bulgaria , Bulgaria,* 05/2019.

[13] **Ylber Januzaj, Artan Luma, Besnik Selimi, Bujar Raufi.** "Techniques of comparing multiple documents with different and unlimited textual content". *In ICCS2019,India, SCOPUS INDEXED - IEEE XPLORE,* 05/2019. ISBN - 978-1-5386-8113-8.

[14] **Ylber Januzaj, Artan Luma, Azir Aliu, Besnik Selimi, Bujar Raufi, Halil Snopce.** "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.

[15] **Ylber Januzaj, Artan Luma, Besnik Selimi, Azir Aliu, Bujar Raufi and Halil Snopçe.** "A model for automated matching between job market demand and university curricula offer". *In SEEU Review, pp. 188–217. DE GRUYTER OPEN,Bogumiła Zuga 32A Str. 01-811 Warsaw, Poland,* 5 / 2018. ISBN 1857-8462.

[16] **Ylber Januzaj, Artan Luma, Azir Aliu, Besnik Selimi, Bujar Raufi, Halil Snopce.** "The Need for an Automated Model which makes Matching between Job Market Demand and University Curricula. In *15th International Conference on Informatics and Information Technologies, pp. 148- 152. Faculty of Computer Science and Engineering, Ss Cyril and Methodius University, Mavrovo, Macedonia, 4 /2018.* ISBN ISBN 978-608-4699-08.

[17] **Ylber Januzaj, Ymer Januzaj.** "Transaction Management in Mobile Database". *In IJCSI International Journal of Computer Science Issues, Volume 13, Issue 3, pp. 39-44, 6 / 2016.* ISBN 1694-0814.

[18] **Ylber Januzaj, Jaumin Ajdari, Besnik Selimi.** "DBMS as a Cloud Service: Advantages and Disadvantages". *In Proceedings of the World Conference on Technology, Innovation and Entrepreneurship, pp. 1851-1859. Elsevier, Istanbul, Turkey, 7 / 2015.* ISBN 1877-0428.

[19] **Ylber Januzaj, Artan Luma, Ymer Januzaj, Vehbi Ramaj.** "Real Time Access Control Based on Face Recognition". *In International Conference on Network security & Computer Science, pp. 7- 12. IAE Antalya, Turkey, 6 / 2015.* ISBN 978-93-84468-25-5.

[20] **Artan Luma, Ylber Januzaj, Besnik Selimi, Azir Aliu, Halil Snopce.** "Embedded Identification System Based on Face Recognition". *In The International Conference on Science, Technology and Management, pp. 37-42. WRL, London, United Kingdom, 8/2015.* ISBN978-93-85465-83-3.

[21] **Ylber Januzaj, Arben Hajra.** "Advantages of serialized RDF statements versus Relational Databases". *In International Conference in Information Systems and Technology Innovation. Tirana, Albania, 6 / 2014.* ISBN 978-9928-02-471-7.

PROFESSIONAL EXPERIENCE

AdeaComputers, Sh. M. Tolaj, Deçan, Kosovo
July 2007 – September 2009

Trainings
- *Computer Networks*
- *IT Support*

South East European University, North Macedonia
October 2011 – May 2012

IT Demonstrator
- *Advanced knowledge in IT*

MEBI-Communication, Deçan, Kosovo
January 2013 – January 2019

Administration
- *Network Administration*
- *Database Administration*
- *Project Manager*

University "Isa Boletini" Mitrovica
October 2018 – October 2022

- *Board member*

University "Isa Boletini" Mitrovica
October 2015 – October 2022

Lecturer
- *Informatics*
- *Business Informatics*
- *Project Management in Informatics*
- *Data analysis*

University "Haxhi Zeka" Peja
October 2017 – June 2022

Part-time Lecturer
- *Database management*
- *E-Banking*
- *Information systems*

University "Haxhi Zeka" Peja
October 2022 – Currently

Assistant Professor
- *Database management*
- *Database management systems*
- *Big Data and Cloud Computing*
- *Web Design for Business*
- *IT Basics*

ADDITIONAL INFORMATION

Languages
- *Albanian*
- *English*
- *Macedonian*

Skills
Operating systems: Windows (XP, 7, 8, 10, 11, Server), iOS, UNIX
Microsoft Office package, Google office (Google docs)
Programming languages: Python, C#, Java, VB.NET, Visual Basic, Servers: SQLSERVER, MySQL, and Oracle
Machine Learning: Weka, Oracle Data Mining.
Software's: Advanced knowledge in SPSS, MATLAB.