

UNIVERSITY OF PRIZREN
FACULTY OF COMPUTER SCIENCES
CAMPUS BLDG. 101"RRUGA E SHKRONJAVE" 1 PRIZREN 20000, KOSOVO
PHONE +(377)45542501
E-MAIL: ercan.canhasi@uni-prizren.com
DATE OF BIRTH: July 4th 1980

ERCAN CANHASI

Education/Professional training

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| January 2004 | Diploma in Computer Engineering, Faculty of Electrical Engineering and Computer Science, Selcuk University |
| April 2007 | M.Sc. in Computer Engineering, Faculty of Computer Science and Informatics, Selcuk University |
| May 2014 | Ph.D in Computer Science and Informatics, Faculty of Computer Science and Informatics, University of Ljubljana |

Professional experience

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| 2004-2007 | Junior Researcher, Faculty of Computer Science , Selcuk University |
| 2007-2009 | Assistant, Faculty of Computer Science , University of Prizren |
| 2009- | Visiting member, Researcher, Faculty of Computer Science and Informatics, University of Ljubljana, Laboratory of Cognitive Modeling |
| 2011-2014 | Assistant, Lecturer, Faculty of Computer Science , University of Prizren |
| 2015- | Assistant professor, Faculty of Computer Science , University of Prizren |

Research activities:

- Research and development in the areas of Artificial Intelligence, Machine Learning, Data Mining and Knowledge Discovery in Databases, Intelligent Data Analysis, Cognitive Modeling, Application of Machine Learning and Data Mining Techniques
- Member of research group Laboratory for Cognitive Modeling
- Application of intelligent data analyses in medicine, ecology, marketing, and finance
- The most significant research results are:
 - Development of the system for classification of the literature works, the application of text mining.
 - Development of the novel methods for text summarization, especially in the novel fields such as the generic multi-document summarization (MDS), query focused MDS, update and comparative MDS.
 - Adaptation of the algebraic and optimization techniques such as the matrix decomposition in the field of natural language processing (NLP)

Lecturing and curricular activities

- Lecturer and teaching assistant of several university courses in the areas of software development, programming, scripting and algorithms and data structures
- Supervisor of several students in under-graduate level
- Author of several hand-outs and software packages supporting university education
- Cooperation in preparation of high-school programming competitions

Other professional activities

- Reviewer for the SCI journal Transactions on Fuzzy Systems, the journal with the highest impact factor in the field of Machine Learning for last few years in row.
- Reviewer for many top ranked SCI journals such as: Expert systems with Application (eswa), Knowledge and Information Systems (kais), Information processing and Management (ipm), etc.
- Reviewer for many international conferences

Selected scientific publications / journal publications

- SCI indexed Artificial Intelligence journal papers
 - Canhasi, Ercan, & Kononenko, I. (2013). Multi-document summarization via Archetypal Analysis of the content-graph joint model. *Knowledge and Information Systems*, 1-22. (IF: 2.225)
 - Canhasi, Ercan, and Igor Kononenko. "Weighted archetypal analysis of the multi-element graph for query-focused multi-document summarization." *Expert Systems with Applications* 41, no. 2 (2014): 535-543. (IF: 1.854)

- Canhasi, Ercan, and Igor Kononenko. "Weighted hierarchical archetypal analysis for multi-document summarization." *Computer Speech & Language* 37 (2016): 24-46, (IF: 1.35)
- Canhasi, Ercan. "Fast document summarization using locality sensitive hashing and memory access efficient node ranking." *International Journal of Electrical and Computer Engineering* 6.3 (2016): 945.
- **Book chapters**
 - Canhasi, Ercan, and Igor Kononenko. "Automatic Extractive Multi-document Summarization Based on Archetypal Analysis." *Non-negative Matrix Factorization Techniques*. Springer Berlin Heidelberg, 2016. 75-88.
- **International conferences in the field of Computer Science**
 - Canhasi, Ercan. "Albanian Advertising Keyword Generation and Expansion via Hidden Semantic Relations." *Artificial Intelligence Perspectives in Intelligent Systems*. Springer International Publishing, 2016. 383-393.
 - Canhasi, Ercan. "GSolver: Artificial solver of word association game." *ICT Innovations 2015*. Springer International Publishing, 2016. 49-57.
 - Canhasi, Ercan. "Measuring the sentence level similarity." *Proc of 2nd International Symposium on Computing in Informatics and Mathematics ISCIM 2013* (2013).
 - Canhasi and I. Kononenko. Semantic role frames graph-based multi-document summarization *Proc. of Conference on Data Mining and Data Warehouses. SiKDD*
 - Canhasi, Ercan. "Multi-layered graph-based multi-document summarization model." *arXiv preprint arXiv:1405.7975* (2014).
- **Social SCI indexed journal papers**
 - Arenliu, Aliriza, Kaltrina Kelmendi, Mytaher Haskuka, Teuta Halimi, and Ercan Canhasi. "Drug use and reported suicide ideation and attempt among Kosovar adolescents." *Journal of Substance Use* 0 (2013): 1-6.(IF: 0.641)

Projects:

- **International projects:**
 - The Human Brain Project; To exploit heterogeneous data we propose use of the novel summarization method for unstructured texts (Canhasi & Kononenko, 2013), 2014-
 - Gjirafa.com; to exploit opportunities of using the advanced NLP techniques in the first web search system for Albanian language, 2014-