



Amirkabir University of Technology
(Tehran Polytechnic)



Email:

akbari.ma@aut.ac.ir

Phone:

+9821-64545875

Mohammad Akbari

Assistant Professor

Department of Mathematics and Computer
Science

Computer Science

h-index (Scopus):

9

Citations (Scopus):

379



Supervised MSc Theses

#	Thesis title	By	Date
1	Designing A Credit Scoring Ensemble Learning Model	Mahsan Abdoli & Mohammad Akbari	March 2021

Journal Papers

Other Records

- 1 Reza Rawassizadeh, Chelsea Dobbins, Mohammad Akbari, Michael Pazzani, "Indexing multivariate mobile data through spatio-temporal event detection and clustering", *Sensors*, 2019 Vol. 19, Num. 3, Page , 2019,
- 2 Mostafa Rezazad, Matthias Brust, Mohammad Akbari, Pascal Bouvry, Ngai-Man Cheung, " Detecting Target-Area Link-Flooding DDoS Attacks using Traffic Analysis and Supervised Learning", *Advances in Information and Communication Networks*, 2017 Vol. , Num. , Page , 2017,
- 3 , "Wellness Representation of Users in Social Media: Towards Joint Modelling of Heterogeneity and Temporality " , *Transaction on Knowledge and Data Engineering*, 2017 Vol. 29, Num. 10, Page , 2017,
- 4 Mohammad Akbari, Xia Hu, Liqiang Nie, Tat-Seng Chua, " Towards Organizing Health Knowledge on Community-based Health Services", *EURASIP Journal on Bioinformatics and Systems Biology*, 2016 Vol. 17, Num. , Page , 2016,
- 5 Mohammad Akbari, Liqiang Nie, and Tat-Seng Chua, "aMM: Towards adaptive ranking of multi-modal documents", *International Journal of Multimedia Information Retrieval*, 2015 Vol. , Num. , Page , 2015,

- 6 Nie, Liqiang, Yi-Liang Zhao, Mohammad Akbari, Jialie Shen, and Tat-Seng Chua, " Bridging the vocabulary gap between health seekers and healthcare knowledge.", *Transaction on Knowledge and Data Engineering*, 2015 Vol. 27, Num. 2, Page , 2015,

Conference Papers

Other Records

- 1 Mohammad Akbari, Alberto Cetoli, Stefano Bragaglia, Andrew D. O'Harney, Marc Sloan, and Jun Wang, "Modeling User Return Time Using Inhomogeneous Poisson Process", *The European Conference on Information Retrieval (ECIR)*, 2019
- 2 Alberto Cetoli, Stefano Bragaglia, Andrew D. O' Harney, Marc Sloan, Mohammad Akbari, " A Neural Approach to Entity Linking on Wikidata", *The European Conference on Information Retrieval (ECIR)*, 2019
- 3 Mohammad Akbari, and Rumi Chunara, " Using Contextual Information to Improve Blood Glucose Prediction " , *In Machine Learning for Healthcare Conference*, 2019
- 4 Zou, Shihao, Zhonghua Li, Mohammad Akbari, Jun Wang, and Peng Zhang, " MarRank: Multi-agent Reinforced Learning to Rank", *The Conference on Information and Knowledge Management (CIKM)*, 2019
- 5 Ray Han, Mohammad Akbari, "Vertical Domain Text Classification: Towards Understanding IT Tickets using Deep Neural Networks", *AAAI Conference on Artificial Intelligence*, 2018
- 6 Mohammad Akbari, Rumi Chunara, " From the User to the Medium: Deep Profiling Across Web Communities to Augment Disease Epidemiology", *The International AAAI Conference on Web and Social Media (ICWSM)*, 2018
- 7 Han, Jianglei, Ka Hian Goh, Aixin Sun, and Mohammad Akbari, " Towards Effective Extraction and Linking of Software Mentions from User-Generated Support Tickets", *The Conference on Information and Knowledge Management (CIKM)*, 2018
- 8 Kunal Relia, Mohammad Akbari, Dustin Duncan, Rumi Chunara, " Socio-spatial Self-organizing Maps: Using Social Media to Assess Relevant Geographies for Exposure to Social Processes", *ACM Conference on Computer-Supported Cooperative Work and Social Computing*, 2018
- 9 Mohammad Akbari, Tat-Seng Chua, "Leveraging Behavioral Factorization and Prior Knowledge for Community Discovery and Profiling", *The Tenth ACM International Conference on Web Search and Data Mining*, 2017
- 10 Mohammad Akbari, Xia Hu, Liqiang Nie, Tat-Seng Chua, "On the Organization and Retrieval of Health QA Records for Community-based Health Services", *International Joint Conference on Artificial Intelligence*, 2016
- 11 Song, Xuemeng, Liqiang Nie, Luming Zhang, Mohammad Akbari, and Tat-Seng Chua, " Multiple social network learning and its application in volunteerism tendency prediction", *The 38th International ACM SIGIR Conference on Research and Development in Information Retrieval*, 2015
- 12 Farseev, Aleksandr, Liqiang Nie, Mohammad Akbari, and Tat-Seng Chua, " Harvesting multiple sources for user profile learning: a big data study", *The ACM on International Conference on Multimedia Retrieval*, 2015
- 13 Nie, Liqiang, Mohammad Akbari, Tao Li, and Tat-Seng Chua, " A joint local-global approach for medical terminology assignment", *The 38th International ACM SIGIR Conference on Research and Development in Information Retrieval*, 2014
- 14 Nie, Liqiang, Tao Li, Mohammad Akbari, Jialie Shen, and Tat-Seng Chua, "Wenzher: Comprehensive vertical search for healthcare domain", *The 38th International ACM SIGIR Conference on Research and Development in Information Retrieval*, 2014









Journals Editorial Board



Magazine Title

Date of Cooperation & Explanations

- 1 Associate Editor, Journal of Frontiers in Artificial Intelligence
- 2 IEEE Transaction on Knowledge and Data Engineering (TKDE).
- 3 ACM Transaction on Knowledge and Data Discovery (TKDD).
- 4 Pattern Recognition Letters Journal
- 5 Journal of Information Sciences.
- 6 Journal of Data Mining and Knowledge Discovery
- 7 Journal of Biomedical Informatics (JBI).

Taught Courses

#	Course title	Description	Headlines	Date
1	Computer Prog.	To familiarize the trainee with basic concepts of computer programming and developer tools. To present the syntax and semantics of the "C" language as well as data types offered by the Language. To allow the trainee to write their own programs us		Fall 2021
2	Data Structures & Algorithms	Covers the design, analysis, and implementation of data structures and algorithms to solve engineering problems using an object-oriented programming language. Topics include elementary data structures, (including arrays, stacks, queues, and lists), adv		Fall 2021
3	Machine Learning	This course provides a fundamental introduction to the mathematics, algorithms and practice of machine learning, focusing on representation, loss functions, and optimization.		Fall 2021
4	Data Structures & Algorithms	Covers the design, analysis, and implementation of data structures and algorithms to solve engineering problems using an object-oriented programming language. Topics include elementary data structures, (including arrays, stacks, queues, and lists), adv		Spring 2021
5	Introduction to Computer & Programming	The course fully covers the basics of programming in the "C" programming language and demonstrates fundamental programming techniques, customs and vocabulary including the most common library functions and the usage of the preprocessor.		Spring 2021
6	NATURAL LANGUAGE PROCESSING	This course introduces students to a variety of NLP methods available for reasoning about text in computational systems. We will focus on major algorithms used in NLP for various applications (e.g., part-of-speech tagging, parsing, machine translatio		Spring 2021
7	NATURAL LANGUAGE PROCESSING	This course introduces students to a variety of NLP methods available for reasoning about text in computational systems. We will focus on major algorithms used in NLP for various applications (e.g., part-of-speech tagging, parsing, machine translatio		Fall 2020
8	Topics in Computer Science	This module aims to introduce the technical aspects of this problem, where students will learn about the techniques of analyzing the complex social relation networks between users, the contents they shared, and the ways contents and events propagate		Fall 2020

9	Computer Prog.	To familiarize the trainee with basic concepts of computer programming and developer tools. To present the syntax and semantics of the "C" language as well as data types offered by the Language. To allow the trainee to write their own programs us		Fall 2020
10	Computer Prog.	To familiarize the trainee with basic concepts of computer programming and developer tools. To present the syntax and semantics of the "C" language as well as data types offered by the Language. To allow the trainee to write their own programs us		Fall 2020