



دانشگاه صنعتی امیرکبیر
(پلی تکنیک تهران)

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محمد اکبری

استادیار

دانشکده ریاضی و علوم کامپیوتر

گروه آموزشی علوم کامپیوتر



پایان نامه های کارشناسی ارشد

#	عنوان پایان نامه	توسط	تاریخ دفاع
1	تشخیص زنده بودن تصویر در احراز هویت چهره	شهرزاد عصمت و محمد اکبری	اسفند 1400
2	پاسخگویی به سوالات چند مرحله ای بر پایه یادگیری عمیق	شهرزاد ذوالقدر و محمد اکبری	اسفند 1400
3	بازشناسی اعمال در ویدیو با استفاده از یادگیری بدون نمونه ی آموزشی	زینب سعیدی دهشالی و محمد اکبری	اسفند 1400
4	شناسایی گفتار صوتی-تصویری با استفاده از شبکه های عصبی عمیق	حکمت بیگ وردی و محمد اکبری	اسفند 1400
5	بهبود سیستم پیشنهاددهنده به کمک شبکه های پیچشی گراف	غزال ملازاده و محمد اکبری	اسفند 1400
6	ارائه مدل یادگیری جمعی امتیازدهی اعتباری مشتریان	مهسان عبدلی و محمد اکبری	اسفند 1399

مقالات ژورنال

داده های ثبت شده در پورتال

- 1 Yaghoob Karimi, Mostafa Haghi Kashani, Mohammad Akbari, Ebrahim Mahdipour, "Leveraging big data in smart cities: A systematic review", *CONCURRENCY AND COMPUTATION-PRACTICE & EXPERIENCE*, Vol. 33, Num. 21, Page 0-0, June 2021,

سایر داده ها

- 1 Reza Rawassizadeh, Chelsea Dobbins, Mohammad Akbari, Michael Pazzani, "Indexing multivariate mobile data through spatio-temporal event detection and clustering", *Sensors*, 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*, 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*, 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*, 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*, 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*, Vol. 27, Num. 2, Page , 2015,

مقالات کنفرانس

سایر داده ها

- 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, " MarlRank: 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







عضویت در هیأت تحریریه مجلات




تاریخ همکاری و توضیحات

عناوین مجلات

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

دروس ارائه شده

# عنوان درس	توصیف درس	دوره درسی	سرفصل ها
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	Spring 2022	
2 Artificial Intelligence & Workshop	The goal of the subfield of Artificial Intelligence is to build software systems that behave intelligently. By this, we mean that the computer systems do the right thing in complex environments--that they act optimally given the limited information a	Spring 2022	
3 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 2022	
4 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	
5 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	
6 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	

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		Spring 2021
8	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
9	Data Structures & Algorithms	Covers the design, analysis, and implementation of data structures and algorithms to solveengineering problems using an object?oriented programming language. Topics include elementary datastructures, (including arrays, stacks, queues, and lists), adv		Spring 2021