










Mortaza Zolfpour Arokhlo, Ph.D.

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Employment History

- 2010 – 2024  **Assistant Professor**, IT and Software Engineering Departments, Sepidan Branch, Islamic Azad University, Iran.
- 2021 – 2021  **Postdoctoral Researcher**, Department of Software Engineering and Artificial Intelligence, Faculty of Computer Science, Complutense University of Madrid, Madrid, Spain.
- 2014 – 2015  **Postdoctoral Fellowship**, Department of Software Engineering, Faculty of Computing, University of Technology Malaysia, Johor, Skudai, Malaysia.
- 2002 – 2008  **Lecturer and Dean of ICT**, Computer Engineering Departments, Marvdasht Branch, Islamic Azad University, Iran.
- 2001 – 2002  **Lecturer and Dean of ICT**, Computer Engineering Departments, Gachsaran Branch, Islamic Azad University, Iran.

Education

- 2009 – 2013  **Ph.D. Computer Science, University of Technology Malaysia**
Thesis title: *Multi-agent Models for Route Planning*.
- 2006 – 2008  **M.Sc. IT-Engineering, University of Shiraz, Iran**
- 1990 – 1994  **B.Sc., in Mathematic, Razi University, Kermanshah, Iran**

Skills

- Teaching  Cyber Security, AI, Machine Learning, database, advanced database, programming, Software development, software engineering...
- Coding & Editors  Java, JavaScript, PHP, Python, C#, \LaTeX , VSC, Notepad++, NetBeans, ...
- Web design & DB  Dreamweaver, WordPress, MySQL, PostgreSQL, JavaScript, Apache Web Server
- Supervisor  Supervised 100+ Master's and PhD students in Computer Science and IT
- Thesis Advisor  Advised 100+ Master's and PhD students in Computer Science and IT
- Misc.  Academic research & Teaching (15+ years), Supervision & Consultation (10+ years)

Miscellaneous Experience

Awards and Achievements

- 2021  **Postdoctoral Researcher**, Department of Software Engineering & AI, Complutense University of Madrid, Spain.
- 2014  **Postdoctoral Researcher**, Department of Software Engineering & AI, University of Technology Malaysia, Malaysia
- 2013  **International Doctoral Fellowship Awards (IDF)**, I received 30000\$, the International Doctoral Fellowship Awards (IDF) for the entire duration of my doctoral program, covering the full tuition. Awarded by Universiti Teknologi Malaysia Scholarships
- 2012  **Impact Factor Claim Award**, 3000\$ Gift for the published articles by UTM Research Management Centre (RMC). Awarded by Universiti Teknologi Malaysia.

Miscellaneous Experience (continued)

- **Appreciation as the Speaker in Latex Intensive Workshop 2012.** Awarded by Dean of Research, Nanotechnology Research alliance research, Universiti Teknologi Malaysia, Skudai, Johor, Malaysia, Feb. 2012
- **Appreciation as the Speaker in Latex and beamer Workshop 2012.** Awarded by Faculty of Science, Universiti Teknologi Malaysia, UTM, Skudai, Johor, Malaysia,
- **Patent and Copyrights.** Awarded by Innovation Department, Universiti Teknologi Malaysia, Skudai, Johor, Malaysia, Sep. 2012

TECHNICAL REVIEWER:

- Elsevier Ocean Engineering Journal.
- International Journal of Signal and Data Processing
- Journal of Experimental & Theoretical Artificial Intelligence
- Journal of computers & education
- IEEE Transactions on Human-Machine Systems, IEEE Transactions on Systems, Man, and Cybernetics: Systems
- IEEE Transactions on Cybernetics, IEEE Transactions on Evolutionary Computation.

EDITOR IN CHIEF OF INTERNATIONAL JOURNAL:

- 2013-Present
- IAES International Journal of Artificial Intelligence (IJ-AI)
 - International Journal of Software Engineering and Technology (IJSET)

Memberships:

- 2015-Present
- Participated in "Research Methods in Computer Science" training
- 2014-Present
- Attended "University Teaching Skills Workshop" by Islamic Azad University
- 2012-Present
- Attended "University Teaching Skills Workshop" by , University of Technology Malaysia
- 2010-Present
- Member of the Institute of Electrical and Electronics Engineers (IEEE)
- 2009-Present
- Member of the Higher Education Academy of Iran
- 2007-Present
- Member of the Iranian Society of Engineers
- 2004-Present
- Completed "Postgraduate Certificate in Institute of Higher Education of Iran Industries"

Research Publications

Highlighted Journal (Q1)

- 1 **M. Zolfpour-Arokhlo**, A. Selamat, and S.-Z. Mohd-Hashim, "Modeling of route planning system based on q value-based dynamic programming with multi-agent reinforcement learning algorithms," *Engineering Applications of Artificial Intelligence*, vol. 29, pp. 163–177, 2014, ISSN: 0952-1976. DOI: <https://doi.org/10.1016/j.engappai.2014.01.001>.
- 2 **M. Zolfpour-Arokhlo**, A. Selamat, and S. Z. M. Hashim, "Route planning model of multi-agent system for a supply chain management," *Expert Systems with Applications*, vol. 40, no. 5, pp. 1505–1518, 2013, ISSN: 0957-4174. DOI: <https://doi.org/10.1016/j.eswa.2012.08.040>.
- 3 **M. Zolfpour-Arokhlo**, A. Selamat, and S.-Z. Mohd-Hashim, "Multi-agent reinforcement learning for route guidance system," *International Journal of Advancements in Computing Technology*, vol. 3, pp. 224–232, Jul. 2011. URL: <https://api.semanticscholar.org/CorpusID:15237526>.

Next articles

- 1 **M. Zolfpour-Arokhlo**, A. Sarvqad, and P. Rouzbeh-Javan, "Design and implementation of intelligent energy management systems based on zigbee," *Scientific Journal of Research in Computer Science (In Persian)*, vol. 3, no. 11, pp. 16–25, 2018.
- 2 **M. Zolfpour-Arokhlo** and A. Taheri, "E-learning optimization by improving education cloud using the grid," *International Journal of Computer Science and Network*, vol. 5, no. 3, pp. 504–508, 2016.
- 3 **M. Zolfpour-Arokhlo** and M. Yari-Zanganeh, "Using radio frequency identification (RFID) technology to improve the management and control of libraries and information centers," vol. 26, pp. 285–299, Jan. 2011.

Conference Proceedings

- 1 **M. Zolfpour-Arokhlo** and M.-S. Khodadoost, "Using an agent-oriented approach to reduce metropolitan traffic in vanets," in *9th International Conference on Information Technology, Computer and Telecommunication*, CIVILICA, Tehran, Iran., Jul. 2020.
- 2 A. J. Mortaza Zolfpour-Arokhlo E. Kohansal, "Simulation based on model-driven factor: Procedural semantics of the maya model," in *The 4th International Conference on Modern Studies in Computer Science and IT*, Sajjad Industrial University, Mashhad, Iran, Feb. 2018.
- 3 **M. Zolfpour-Arokhlo** and A. Keshtkaran, "Introduce and identify the dimensions of computer crime in e-commerce," in *International Conference on Applied Research in Science, Technology and Knowledge*, Finland-Helsinki, Jan. 2018.
- 4 **M. Zolfpour-Arokhlo** and F. Razeghi, "The impact of social networks on changing advertising strategies in e-commerce," in *5th International Conference on Sciences, Engineering and Technology Innovations (ICSETI2017)*, Shiraz, Iran, Jun. 2017.
- 5 M. Z.-A. Nicolas Akosu, "Localisation as panacea for the digital divide," in *Iranian Students Scientific Conference in Malaysia*, UPM University, Kuala-Lumpur, Malaysia, 2011, p. 05.
- 6 **M. Zolfpour-Arokhlo** and N. Akosu, "Role of rfid technology in food supply chain," in *Iranian Students Scientific Conference in Malaysia*, UPM University, Kuala-Lumpur, Malaysia, 2011, p. 05.
- 7 **M. Zolfpour-Arokhlo**, A. Selamat, and S.-Z. Mohd-Hashim, "A fast path planning algorithm for route guidance system," in *IEEE International Conference on Systems, Man, and Cybernetics (SMC)*, IEEE, 2011, pp. 2773–2778.
- 8 **M. Zolfpour-Arokhlo**, A. Selamat, and S.-Z. Mohd-Hashim, "Route guidance system based on self adaptive multiagent algorithm," in *International Conference on Computational Collective Intelligence*, LNCS 6923, Springer Berlin Heidelberg, 2011, pp. 90–99.
- 9 **M. Zolfpour-Arokhlo**, A. Selamat, and S.-Z. Mohd-Hashim, "Route guidance system based on self-adaptive multi-agent system," in *3rd Malaysian Joint Conference on Artificial Intelligence*, UNITEN Putrajaya Campus, Malaysia, 2011, p. 10.
- 10 **M. Zolfpour-Arokhlo**, A. Selamat, and S.-Z. Mohd-Hashim, "Route guidance system using multi-agent reinforcement learning," in *7th International Conference on Information Technology in Asia (CITA)*, IEEE, 2011, pp. 1–5.
- 11 **M. Zolfpour-Arokhlo**, A. Selamat, and S.-Z. Mohd-Hashim, "Route guidance system using multi-agent reinforcement learning," in *Second Software Engineering Postgraduate Workshop (SEPoW)*, USM University, Penang, Malaysia, 2010.
- 12 **M. Zolfpour-Arokhlo** and G. Dastgheybi-Fard, "Applications of radio-frequency identification technology in the library management system," in *1st International Conference on Electronic City*, Research training center of Tehran University, Tehran, Iran, Mar. 2008, pp. 11–19.
- 13 **M. Zolfpour-Arokhlo** and H. Safari, "The role of e-commerce on supply chain management," in *First International Conference on Research in Operations*, Kish University, Kish Island, Iran, 2007.

A full list of Conference Papers is available upon request.

Reference

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