Mahdieh Zabihimayvan

Phone:(937) 397-8487
Home Page: http://knoesis.org/mahdieh
Address: 3640 Colonel Glenn Hwy, Wright State University, Dayton, OH

Resume updated on Sept. 2018
Email:
Zabihimayvan.2@wright.edu,
mahdieh@knoesis.org

Education

Ph.D., Computer Science (GPA:4.0) *2017-Present*
Wright State University, Dept. of Computer Science and Engineering, Dayton, Ohio, USA

M.S., Computer Engineering-Software (GPA:4.0) *2012-2014*
Imam Reza International University, Dept. of Computer and Information Technology, Iran

B.S., Computer Engineering-Software *2007-2011*
Ferdowsi University, Dept. of Computer Engineering, Iran

Experience

Wright State University, Dayton, Ohio, USA *2017-Present*
Graduate research assistant, Dept. of Computer Science & Engineering

- Topic modeling, content evaluation, and structural analysis of Tor
- Machine learning and soft computing techniques in web agent detection
- Web robot traffic characterization

Imam Reza International University, Iran *2012-2014*
Graduate research assistant, Dept. of Computer and Information Technology

- Soft computing and Evolutionary computing techniques in web robot detection
- Markov processes with focus on Markov Clustering algorithm

Ferdowsi University, Iran *2011-2012*
Information and Communication Center, Network & Web developing Group

- Web programming**,** SQL programming
- Network management and Security

Interests

- Machine learning and soft computing techniques for web systems security
- Web systems characterization, measurements, and analytics

Technical Qualifications

Programming Language: Python, R, MATLAB, Java, Javascript, MySQL, SPARQL, PhantomJS, NodeJS, PHP, HTML
DL/ML Tools: R, Python

Selected Publications

M. Zabihimayvan, Reza Sadeghi, D. Doran, Mehdi Allahyari (2019), "A Broad Evaluation of the Tor English Content Ecosystem", The Web Conference (Submitted).

M. Zabihimayvan, D. Doran (2018), "Some (Non-)Universal Features of Web Robot Traffic," 52th Annual Conference on Information Sciences and Systems (CISS), IEEE, Princeton University, NJ

M. Zabihimayvan, R. Sadeghi, N. Rude, D. Doran (2017), "A Soft Computing Approach for Benign and Malicious Web Robot Detection," Expert systems with applications, 87, 129-140, (Impact factor: 3.928)

J. Hamidzadeh, **M. Zabihimayvan**, R. Sadeghi (2018), "Detection of Web site visitors based on fuzzy rough sets", Soft Computing, 22(7), 147-158, April 2018. (Impact factor: 2.472)

Patent

M. Zabihimayvan, R. Sadeghi, D. Doran (2018), "Soft Computing Methods for Feature Selection for Web Agent Detection", June 2018, U.S. Provisional Patent, Pending.

Research services

Referee for the journals of Computers & Security and IEEE Transactions on Fuzzy Systems

Program Committee member of the Web Conference 2018

Honors and Awards

Best paper award for publishing the paper titled "Detection of Web site visitors based on fuzzy rough sets", 2016
Top researcher of M.Sc. students of software engineering, 2016
Anita Borg Scholar at Grace Hopper, Houston, Texas, 2018
CRA-W Grad Cohort Scholar, San Francisco, California, 2018