Curriculum Vitae

PERSONAL DATA

Name: Somaye

Surname: Moghari

Date of Birth: 1982

Nationality: Iran

Gender: Female

Marital Status: Married

Email Address: s.moghari@shahroodut.ac.ir

EDUCATION

| 2001 - 2005 | Kharazmi University | Tehran, Iran |

B.Sc. Applied Mathematics.

| 2006 - 2008 | Alzahra Unibersity | Tehran, Iran |

M.Sc. Applied Mathematics (Theory of Fuzzy Languages and Automata)

| 2009 - 2013 | Alzahra Unibersity | Tehran, Iran |

Ph.D. Applied Mathematics (Theory of Fuzzy Languages and Automata)

PUBLICATIONS (Journal Papers)

- Somaye Moghari, Mohammad M Zahedi, "*Similarity-based minimization of fuzzy tree automata*", Journal of Applied Mathematics and Computing 50 (1-2), 417-436, 2016.

- Somaye Moghari, Mohammad M Zahedi, "*Minimization of Deterministic Fuzzy Tree Automata*", Journal of Fuzzy Set Valued Analysis, 1-18, 2014.

- Somaye Moghari, Mohammad M Zahedi, Reza Ameri, "*Merging states in Deterministic fuzzy finite tree automata based on fuzzy similarity measures*", Italian journal of pure and applied mathematics 33, 225-240, 2014.

- Somaye Moghari, Mohammad M Zahedi, Reza Ameri, "*New direction in fuzzy tree automata*", Iranian Journal of Fuzzy Systems 8 (5), 59-68, 2011.

- Somaye Moghari, "*The role of fuzzy numbers in approximating fuzzy tree languages*", 49th Annual Iranian Mathematics Conference, Iran, 2018.

- Somaye Moghari, "*A Distributed Fuzzy Controller for Self-Healing Wireless Sensor Network During Sinkhole Attack*", 48th Annual Iranian Mathematics Conference, Iran, 2017.

- Somaye Moghari, "*Similarity Approximation of Nondeterministic Fuzzy Tree Automata*", 4th National Conference oOn Information Technology, Computer & Telecommunication, Iran, 2017.

- Somaye Moghari, Mohammad M Zahedi, "*Hypercomplex L-valued tree automata*", International Conference on Mathematics of Fuzziness, Iran, 2016.

- Somaye Moghari, "*Uniqueness of Solutions to Fuzzy Differential Equations Driven by Liu's Processwith Weak Lipschitz Coefficients*", 46th Annual Iranian Mathematics Conference, Iran, 2010.

- Somaye Moghari, Mohammad M Zahedi, Reza Ameri, "*Efficient Reduction of Fuzzy Finite Tree Automata*", Proceedings of the 6th IMT-GT Conference on Mathematics, Statistics and its Applications (ICMSA2010) Universiti Tunku Abdul Rahman, Kuala Lumpur, Malaysia, 1034-1043, 2010.

- Somaye Moghari, Mohammad M Zahedi, Reza Ameri, "*Minimization of fuzzy finite tree automata*", Proceedings of the 6th IMT-GT Conference on Mathematics, Statistics and its Applications (ICMSA2010) Universiti Tunku Abdul Rahman, Kuala Lumpur, Malaysia, 1044-1052, 2010.

- Mohammad K Fallah, Somaye Moghari, Eslam Nazemi, Mohammad M Zahedi, "*Fuzzy ontology based document feature vector modification using fuzzy tree transducer*", Signal Image Technology and Internet Based Systems, 2008. SITIS'08. IEEE International Conference on, 38-44, 2008.

INTERESTS

- Fuzzy (Tree) Automata

- Modeling and Analysis of Fuzzy Systems

- Fuzzy Control and Multi-Robot Systems