TAHER ABBAS SHANGARI

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EDUCATION

2012-2014   **M.Sc. in Robotic Engineering**, *Amirkabir University of Technology*, Tehran, Iran. *GPA –3.53/4* Specialized in Machine Vision

2008-2012   **B.Sc. in Computer Engineering,** Shahid Chamran University of Ahwaz, Ahwaz, Iran. GPA – **14.7/20**, Specialized in Computer Vision

PUBLICATION

2015   **"Multisensory Integration Modeling Using Dynamic Bayesian Networks"**, *T. A. Shangari, M. Falahi, F. Bakouie, S. Gharibzadeh*; Frontiers in Computational Neuroscience (Accepted)

2015   **"A Novel Imitation Framework for Social Robots Based on Visual Input, Motion Sensation, and Instruction**", M. Falahi, F. Shamshirdar, Mohammad Hosein Heydari, *T. A. Shangari*; ICSR 2015 (In Review)

2015   **"People Re-identification Using 3D Descriptor with Skeleton Information**", S. Gharghabi, F. Shamshirdar, *T. A. Shangari*; ICIEV 2015 (Accepted)

2015   **"Real-time Ball Detection and Following Based on a Hybrid Vision System with Application to Robotic Soccer Field**", T. A. Shangari1, F. Shamshirdar, B. Azari, M. Heydari, S. Sadeghnejad, J. Baltes; Robucup Symposium 2015 (In Review)

2015   **"Homecoming: A multi-robot exploration method for conjunct environments with a systematic return procedure",** S. Ghasemlou, A. Mohades, T. A. Shangari, M. Tavassoli; EUMAS 2014 . (Accepted)

2014   **"AUT-UofM Humanoid TeenSize Joint Team; A New Step Toward 2050's Humanoid League Long Term RoadMap**", T. A. Shangari, F. Shamshirdar, M. Heydari, S. Sadeghnejad, J. Baltes, M. Bahrami; RITA 2014 (Accepted)

2014   **"AUT-UofM Humanoid TeenSize Team Description Paper."** M. Tamiz, E. Bararian, T. A. Shangari, M. H. Heydari, F. Shamshirdar, M. Jegarian et al. (Accepted)

TEACHING EXPERIENCE

2014   **Teaching Assistant for "Robot Navigation", Instructor: Dr. Shiry**

2014	Instructor at International Spring School on Humanoid Soccer Robots July 2014, Amirkabir University of Technology (Tehran Polytechnic), Iran
2013	Teaching Assistant for "Robotics", Instructor: Dr. Shiry.

HONORS

2015	Rank 1st in Humanid Kidsize Soccer League Robocup 2014 as a member of AUT-UoM kid-size Robotic team.
2014	Member of Technical Committee in AtWork Robotic League AutCup2014.
2014	Rank 1st in Humanid Kidsize Soccer League AutCup2014 as member of AUTMan kid-size Robotic team.
2013	Rank 2nd in AtHome League AutCup2013 as a member of Sourena Robotic team.
2012	Rank 174th among over 30,000 participants in the Nationwide Entrance Exam for master of science in Computer Engineering Group.

PROFFESIONAL EXPERIENCES

2015	Doing research and development at irPointive to automatically build a model of a building from an unorganized point cloud.
2015	Doing research and development at Faradid System to detect, cluster, and track cars on the roads. Also we work on abnormal behavior detection and a bunch of other projects.

RESEARCH INTERESTS

Artificial Intelligence	Vision-based Localization (Machine Vision), Learning by Imitation (Machine Learning).
Cognitive Science	Cognitive Modeling, Decision Making, Learning and Memorization

PROGRAMMING LANGUAGES

Expert	C, JAVA, Matlab
Experienced	C#, Assembly, C++

LANGUAGES

Fluent   **English, Arabic, Persian**

HOBBIES

Sport   **Soccer, Swimming, Mountain Climbing.**

Science   **Debating about Theology, Philosophical Discussions.**