

Sina Mohseni

Computer Science PhD Candidate, Texas A&M University.

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Educational Position

- [2015] **PhD Student, Computer Science.**
Texas A&M University, College station, Texas.
- [2012-14] **M.Sc. in Electronic Engineering.**
Babol Noshirvani University of Technology (NUT), Babol, Iran.
Computer Vision Major.
- [2007-11] **B.Sc. in Electrical and Electronic Engineering**
University of Isfahan (UI), Isfahan, Iran.
Electronic Engineering Major.

Publications

- Mohseni, S., Pena, A., Ragan, D., E., (2017). ProvThreads: Analytic Provenance Visualization and Segmentation. Poster Presentation at IEEE Visual Analytics Science and Technology (VAST) 2017.
- Gholami, R., Zakeri, B., Abedi, H., & Mohseni, S. (2016). Reduction of Dynamic Range Ratio through Competition Over Resources to synthesize planar array antennas. *AEU-International Journal of Electronics and Communications*, 70(11), 1522-1531.
- H. Abedi, R. Gholami, B. Zakeri and S. Mohseni, Competition over resources algorithm and its application for planar array pattern synthesis. *2016 8th International Symposium on Telecommunications (IST)*, Tehran, 2016, pp. 432-436.
- Faramarzi, M., Tabibzadeh, M., Mohseni, S., & Jafari, M. (2016, May). Automatic system for detection critical conditions in overhead lines distribution insulators based on leakage current analysis. In *Industrial and Commercial Power Systems Technical Conference (I&CPS), 2016 IEEE/IAS 52nd* (pp. 1-7). IEEE.
- Mohseni, Sina, Gholamreza Ardeshtir, and Niloofar Zarei. "Facial Expression Recognition Based on Anatomical Structure of Human Face." *Journal of Electrical and Computer Engineering Innovations* 2.2 (2014): 77-83.
- Hassanzadeh, M., Sheikholeslami, A., Ghoreishi, H., Mohseni, S., & Nazari, M. (2015, February). A novel method for current harmonic reduction of CFLs in large number usage. In *Power Electronics, Drives Systems & Technologies Conference (PEDSTC), 2015 6th* (pp. 424-429). IEEE.
- Gholami, R., Mohseni, S., Zakeri, B., & Abedi, H. (2014, October). Driving point impedance restriction in synthesis of linear antenna arrays using competition over resources optimization algorithm. In *Computer and Knowledge Engineering (ICCKE), 2014 4th International eConference on* (pp. 414-419). IEEE.
- Gholami, R., Zakeri, B., Mohseni, S., & Abedi, H. (2014, December). Synthesis of aperiodic linear antenna arrays based on competition over resources optimization. In *Applied Electromagnetics (APACE), 2014 IEEE Asia-Pacific Conference on* (pp. 171-174). IEEE.
- Mohseni, Sina, Niloofar Zarei, and Saba Ramazani. "Facial expression recognition using anatomy based facial graph." *Systems, Man and Cybernetics (SMC), 2014 IEEE International Conference on*. IEEE, 2014.
- Mohseni, S., Gholami, R., Zarei, N., & Zadeh, A. R. (2014, September). Competition over resources: a new optimization algorithm based on animals behavioral ecology. In *Intelligent Networking and Collaborative Systems (INCoS), 2014 International Conference on* (pp. 311-315). IEEE.

- Mohseni, Sina, et al. "Facial Expression Recognition Using Facial Graph." *Face and Facial Expression Recognition from Real World Videos: International Workshop, Stockholm, Sweden, August 24, 2014, Revised Selected Papers*. Vol. 8912. Springer, 2015.
- Mohseni, Sina, Hussain Montazeri Kordy, and Ramin Ahmadi. "Facial expression recognition using DCT features and neural network based decision tree." *ELMAR, 2013 55th International Symposium*. IEEE, 2013.
- Mohseni, S., & Roomizadeh, A. (2011, February). Study on periodic and non periodic frequency modulation techniques for EMI suppression in SMPS. In *Power Electronics, Drive Systems and Technologies Conference (PEDSTC), 2011 2nd* (pp. 615-619). IEEE.

Patents

- S. Mohseni, N. Mohseni, M. Rasouli, "Blood Pressure Monitor Calibrating Device and Corresponding Method", European Patent, Publication Number: WO/2014/060012, Spring 2010.
- S. Mohseni, Amir H. Rafiean, "**Intelligent Carpet and People Counter System based on Machine Learning**", Iran Patent Office, Publication Number: IRP/93367, Summer 2014.
- S. Mohseni, Amir H. Rafiean, "**Multi-Target Vehicle Speed Measurement System based on Road Signal Analysing**", Iran Patent Office, Summer 2014.
- S. Mohseni, Reza Faramarzi, "**Insulator Leakage Current Monitoring and Alarm System in Power transmission Systems**", IRP/ 021579, Summer 2014.
- S. Mohseni, N. Mohseni "**Interchange Kit for Medical Barometer's Display**", Publication Number: IRP/71384, Spring 2009.

Awards

- Sina Mohseni, Reza Faramarzi, "**Insulator Leakage Current Monitoring and Alarm System in Power transmission Systems**", Golestan Province Power Distribution Co. Research Grant, Spring 2014.
- Sina Mohseni, A. Roomizadeh, A. Kiyoumars, "**Study on Effects of CFL Lamp on Power Distribution System**" Isfahan Province Regional Power Distribution Co. Research Grant, Winter 2011.

Research and Work Experiences

- **Graduate Research Assistant** (NSF Grant #1565725), **Texas A&M University**. [2016 - Present]
- **Graduate Research Assistant** (Center for e-Design Grant), **Oregon State University**. [2015-2016]
- **Graduate Research Assistant**, **Oregon State University**. [2015]
- **Line Follower Robotic League Director**. Babol, Iran.[2014]
- **Med. Tech. Medical Laboratory Services**. Sari, Iran. [2013]
- **Graduate Research Assistant**, **Babol University of Technology**. [2013-2014]
- **Almas Electronic Co.** Isfahan, Iran. [2010-2012]
- **Undergard Research Assistant**, **University of Isfahan**. Isfahan, Iran. [2009-2010]
- **Internship at Pishraneh Co.** Sari, Iran. [Summer 2009]