

1. Name: **Morteza Mohammadzaheri**
2. Education – degree, discipline, institution, year: -
 - Ph.D. Intelligent Control, School of Mechanical Engineering, University of Adelaide, Australia, 2011
 - M.E Mechanical Engineering, University of Tehran, Tehran, Iran, 2005
 - B.E. Mechanical Engineering, K. N. Toosi of Technology, Tehran, Iran, 2002
3. Academic experience – institution, rank, title (chair, coordinator, etc. if appropriate), when (ex. 1990-1995), full time or part time: -
 - Sultan Qaboos University, Assistant Professor, 2016-now
 - American University of the Middle East, Kuwait, Assistant Professor, 2015-16
 - Texas A&M University, Qatar branch, Postdoctoral Research Associate, 2014-15
 - Islamic Azad University, Semnan, Iran, Assistant Professor, 2013-14
 - Adelaide University, Australia, Postdoctoral Fellow, 2011-13.
4. Non-academic experience – company or entity, title, brief description of position, when (ex. 1993-1999), full time or part time: -
 - Tavan San'at, Iran, Senior Mechanical Engineer, Head of Procurement Team, 2005-6
 - Shazand Steam Power Plant, Research Engineer on Power Plant Control, 2004-5, Part-time
 - Tavan San'at, Iran, Mechanical Engineer, Quality Control, 2003-4, Part-time
5. Certifications or professional registrations: -
 - Accredited Professional Engineer by Engineers Australia, 2011.
6. Current membership in professional organizations: -
 - Institute of Electrical and Electronics Engineers, IEEE
7. Honors and awards: -
 - Best Paper Award amongst 586 submitted papers to the First International Conference on New Research Achievements in Mechanics, Mechatronics and Biomechanics, Tehran, Iran, May 2016, for the article entitled “Fault Detection of an Automobile Cylinder Block through Intelligent Analysis of Modal Information”.
8. Service activities (within and outside of the institution): -
 - Chair of Publication Committee of SQU Mechatronics Program 2017-now.
 - Secretary of SQU Mechatronics Program Steering Board, 2017-2018.
 - A member (since 2016) and the chair of SQU Mechanical and Industrial Engineering Department Seminar committee (since 2018).
 - A member of Publication Committee of SQU Mechanical and Industrial Engineering Department 2016-now.
 - A member of Technical Committee in the 1st International Conference on Unmanned Vehicle Systems, Muscat, Oman, February 2019.

9. Briefly list the most important publications and presentations from the past five years: -
- M. Taajobian, **M. Mohammadzaheri** (the corresponding author), M. Doustmohammadi, A. Amouzadeh, E. Jamshidi, M. Emadi, “Fault Diagnosis of an Automobile Cylinder Head Using Low Frequency Vibrational Data”, *Journal of Mechanical Science and Technology*, Vol. 32, No. 7, Pages 3037–3045, 2018.
 - M. Bazghaleh, S. Grainger, **M. Mohammadzaheri** (the corresponding author), “A Review of Charge Methods for Driving Piezoelectric Actuators”, *Intelligent Material Systems and Structures*, Vol. 29, No. 10, Pages 2096–2114, 2018.
 - D. Mehrabi, **M. Mohammadzaheri** (the corresponding author), A. Firoozfar, M. Emadi, “A Fuzzy Virtual Temperature Sensor for an Irradiative Enclosure”, *Journal of Mechanical Science and Technology*, Vol. 31, No. 10, Pages 4989–4994, 2017.
 - **M. Mohammadzaheri**, A. Qallaf, “Nanopositioning Systems with Piezoelectric Actuators, Current State and Future Perspective”, *Science of Advanced Materials*, Vol. 9, No. 7, Pages 1071–1080, 2017.
 - Mirsepahi, A. Mehdizadeh, L. Chen, B. O’Neill, **M. Mohammadzaheri**, “Comparison of Inverse Modelling and Optimization-based Methods in the Heat Flux Estimation Problem of an Irradiative Dryer/Furnace”, *Journal of Computational Science*, Vol. 19, Pages 77–85, 2017.
 - **M. Mohammadzaheri**, R. Tafreshi, Z. Khan, M. Francheck, K. Grigoriadis, “An Intelligent Approach to Optimize Multiphase Subsea Oil Fields Lifted by Electrical Submersible Pumps”, *Journal of Computational Science*, Vol. 15, Pages 50–59, 2016.
 - N. Miri, **M. Mohammadzaheri**, L. Chen, "An Enhanced Physics-based Model to Estimate the Displacement of Piezoelectric Actuators", *Intelligent Material Systems and Structures*, Vol. 26, Issue 11, Pages 1442–1451, 2015.
 - **M. Mohammadzaheri**, L. Chen, M. Ghanbari, A. Mirsepahi, R. Tafreshi “Neuro-predictive Control of an Infrared Dryer with a Feedforward-Feedback Approach”, *Asian Journal of Control*, Vol. 17, Issue 5, Pages 1972–1977, 2015.
10. Briefly list the most recent professional development activities: -
- *1st International Conference on Unmanned Vehicle Systems*, Muscat, Oman, February 2019.
 - *7th International Conference on Artificial Intelligence, Soft Computing and Application*, Sydney, Australia, 23-24 December 2017.
 - *9th IEEE GCC Conference*, Manama, Bahrain, 8-11 May 2017
 - *10th International Conference on Thermal Engineering*, Muscat Oman, 7 April 2010