1. Name: **Riadh Zaier**

2. Education – degree, discipline, institution, year: -
   - Ph. D. Mechanical Engineering, Nagoya Institute of Technology, Japan, 1999
   - M. Sc. Mechanical Engineering, Nagoya Institute of Technology, Japan, 1996
   - B. Eng. Mechanical Engineering, Ecole Nationale d'Ingenieurs de Tunis, Tunisia,1991

3. Academic experience – institution, rank, title (chair, coordinator, etc. if appropriate), when (ex. 1990-1995), full time or part time: -
   - Mechanical & Industrial Engineering, Sultan Qaboos University
     Associate Professor, 2018-Present
     Assistant Professor, 2009-2018
     Visiting Consultant, Spring Semester 2009
     Nagoya Institute of Technology
   - Teaching assistant, 1996- 1999

4. Non-academic experience – company or entity, title, brief description of position, when (ex. 1993-1999), full time or part time: -
   - Researcher, Autonomous System Laboratory, Fujitsu Laboratories Ltd, Japan, 2003-2009
   - Researcher and software developer, Department of Research and Development Fujitsu Automation Ltd, Japan, 1999-2003.

5. Current membership in professional organizations: -
   - Institute of Electrical and Electronics Engineers (IEEE)

6. Honors and awards: -
   - The best paper award, for humanoid locomotion control
   - The 14th International Conference on Climbing and Walking Robots, Paris, France, 2011
   - Marquis Who's Who, referred to as research scientist Published in 2008
   - The Robot Award, Japan, Reflex System for Fujitsu humanoid robot HOAP-3, 2007
   - Technical innovations award: Humanoid Robot Platform HOAP-1, (RSJ), Japan, 2004

7. Service activities (within and outside of the institution): -
   - Coordinator, Mechatronics Engineering Program, 2011-2014 and from 2017- Present
   - Served as a Chair of Accreditation Committee of the Mechatronics Engineering Program, 2011- Present.
   - Organize and conduct a 10-days-workshop on Robotics workshop for kids, participants: 180 students, Sultan Qaboos University. Oman, Muscat, 15-26 July 2018.
   - Conduct a hands-on professional development workshop for teachers on "Robotic kits to explore the world of STEM", SQU, March 19,26-2019.
   - Organize a hands-on professional development workshop for teachers on "3D printer and other IOT projects", SQU, 31/3/2019-2/4/2019.
   - Chair a Workshop/Tutorial, The 1st International Conference on Unmanned Vehicle Systems, 5-7/11/2018
   - Organize a seminar on "Industry 4.0 and AI" by Professor Dr.-Ing. Manfred Hirt, Technical University of Munich, Cluster Mechatronic and Automation Bavaria, SQU, March 9, 2019.

- Organize a workshop on Teaching STEM Skills via Robotics. In: The 28th Arab Engineering Conference, Oman, Muscat, 11-13 December 2018.

8. Briefly list the most important publications and presentations from the past five years: -
   - R. Zaier, O. ElDirdiry and A. Al-Yahmedi, (2019) Locomotion Control Based on Van der Pol Oscillators for Biomechanical Legs, Cambridge- SQU Symposium on Mathematical Modelling, 9-11 April 2019
   - O. ElDirdiry, R. Zaier and A. Al-Yahmedi, (2019) Modelling of Bionics Legs Using Simscape, Cambridge- SQU Symposium on Mathematical Modelling, 9-11 April 2019
   - R. Zaier (2018) Reflex Control. In: Goswami A., Vadakkepat P. (eds) Humanoid Robotics: A Reference. Springer, Dordrecht. ISBN 978-94-007-7194-9
   - R. Zaier, (2018) Humanoid Locomotion Control and Reflex Using Van der Pol and Piecewise Linear Oscillator. Advances in Systems, Signals and Devices, Vol. 5, 2018, pp. 105-124.
   - O. ElDirdiry, R. Zaier and A. Al-Yahmedi (2017) Design of Biomechanical Legs with a Passive Toe Joint for Enhanced Human-like Walking. The Journal of Engineering Research, Vol. 14, No. 2, pp. 166-181
   - S. Gismelseed A., AlYahmedi, M. Shafiq and R. Zaier (2018) Effect of Various Torso Orientations on Consumed Energy and Kinetic Pattern of A Biped Model. 2018 IEEE Embs Conference on Biomedical Engineering and Sciences. Malaysia, Kuching Sarawak, 3-6 December 2018
   - O. ElDirdiry, R. Zaier (2018) Modelling Biomechanical Legs with Toe-joint using Simscape. In: Proceedings of the 11th International Symposium on Mechatronics and its Applications, ISMA. United Arab Emirates, Sharjah, 4-6 March 2018
   - R. Zaier, O. El Dirdiry and L.M. Sayari, (2017) Design and Control of Biomechanical Leg for Enhanced Human Walking. Proceedings of the 5th International Conference on Control Engineering & Information Technology. Tunisia, Sousse, 17-19 December 2017
   - R. Zaier, S. Zekri, H. Jayasuriya, A. Teirab, N. Hamza, H. Al-Busaidi (2015) Design and Implementation of Smart Irrigation System for Groundwater Use at Farm Scale. Proceedings of the 7th International Conference on Modelling, Identification and Control. Tunisia, Sousse.
   - R. Zaier (2014) Robot Control Appartus, US patent N0 8,805,582 B2, Aug 2014.
   - R. Zaier (2014) Appartus and Method for Robot Control, US patent N0 8,761,926 B2, Jun 2014.

9. Briefly list the most recent professional development activities: -
   - *SoTL workshop* by Raja Maznah (CETL), SQU, 18 Apr, 2019.
   - *Teaching & Learning workshop* by Harry Hubball, SQU, 11-13 Nov, 2018.
   - *Research Based Teaching workshop* by Peter Looker, SQU, 27 Feb, 2018.
   - *Critical Thinking Skills for the 21st Century workshop*, by Nikos Mourtos, SQU, 16 May 2017
   - *Alternative Instructional Strategies workshop*, by Nikos Mourtos, SQU, Oman, 18 May 2017
   - *How to Teach Eng. Students Process Skills workshop* by N. Mourtos, SQU, 26-28 May 2015