1. Name: **Farooq Al Jahwari**

2. Education
   - Ph.D. Mechanical Engineering, University of Toronto, Toronto, Canada, 2016
   - M.Sc. Mechanical Engineering, Sultan Qaboos University, Muscat, Oman, 2004
   - B.Eng. Mechanical Engineering, Sultan Qaboos University, Muscat, Oman, 2002

3. Academic experience
   - Mechanical & Industrial Engineering, Sultan Qaboos University
     Assistant Professor, 2016 – present
     Lecturer, 2009 – 2016
     Final Year Projects Coordinator, 2017 – present
     Chair, Information and Communication Technology Committee, 2017 – present

   - Mechanical & Industrial Engineering, Almusanaa College of Technology
     Lecturer, 2006 – 2008
     Head of Mechanical & Industrial Engineering, 2008-2009

4. Non-academic experience

5. Certifications or professional registrations
   - Fundamentals of Technology Transfer, Oman, Muscat, 2018
   - Advanced Training on a finite element software ABAQUS, Milano, Italy, 2002

6. Current membership in professional organizations

7. Honors and awards

8. Service activities (within and outside of the institution)
   - Conducting short courses to students in finite element method.
   - Providing design and analysis consultancy to students' projects for BEng, M.Sc., and PhD programs.
   - Participated in organizing and conducting a series of seminars in polymers processing as part of the program of Independent Learning Center at SQU, September 2018.

9. Brief list of the most important publications and presentations from the past five years

JOURNAL ARTICLES

- **F. Al Jahwari**, A. A. W. Anwer, and H. E. Naguib, "Fabrication and microstructural characterization of functionally graded porous acrylonitrile butadiene styrene and the effect of cellular morphology on creep behavior," Journal of Polymer Science Part B: Polymer Physics, vol. 53, pp. 795-803, 2015.
- **F. A. Jahwari** and H. E. Naguib, "Analysis and homogenization of functionally graded viscoelastic porous structures with a higher order plate theory and statistical based model of cellular distribution," Applied Mathematical Modelling, vol. 40, pp. 2190–2205, 2016.

- F. Al Jahwari, Y. Huang, H. E. Naguib, and J. Lo, "Relation of impact strength to the microstructure of functionally graded porous structures of acrylonitrile butadiene styrene (ABS) foamed by thermally activated microspheres," Polymer, vol. 98, pp. 270-281, 2016.
- **F. Al Jahwari** and H. E. Naguib, "Finite element creep prediction of polymeric voided composites with 3D statistical-based equivalent microstructure reconstruction," Composites Part B: Engineering, vol. 99, pp. 416-424, 2016.

CONFERENCE PROCEEDINGS ARTICLES

- **F. A. Jahwari** and H. E. Naguib, "Linear Viscoelastic Modeling and Validation of Functionally Graded Heterogeneous Porous PLA Structures with a C1-Continuous Plate Theory and Novel Homogenization," presented at the Foams, New Jersey, USA, 2014.
- **F. A. Jahwari** and H. E. Naguib, "An Accurate Higher Order Plate Theory for Tailoring the Properties of Functionally Graded Porous Media," presented at the 30th International Conference of the Polymer Processing Society, Cleveland, Ohio, USA, 2014.
- **F. A. Jahwari** and H. E. Naguib, "Experimental and Numerical Analysis on the Buckling Behavior of Functionally Graded Cellular Media with Extension-Capable C1 Higher Order Plate Theory," presented at the ASME 2014 International Mechanical Engineering Congress & Exposition IMECE 2014, Montreal, Canada, 2014.
- **F. A. Jahwari** and H. E. Naguib, "Microstructure-Property Relationship for Impact Energy Absorption of Functionally Graded Porous Structures of Acrylonitrile Butadiene Styrene (ABS)," presented at ANTEC 2016 Society of Plastics Engineers, Indianapolis, USA, 2016

10. Brief list of the most recent professional development activities
    - Fundamentals of Technology Transfer, SQU, Oman, 2018
    - Building polymer processing laboratory at SQU in collaboration with other colleagues. The lab is able to manufacture pure polymeric materials, polymer composites, functionally graded polymers, porous structures, polymer-ceramic composites.
    - Improving my skills in finite element scripting for ANSYS to deal with complex engineering problems.
    - Development of molecular dynamics (MD) models for the prediction of material properties.