1. Name: **Omar Said Al Abri**

2. Education – degree, discipline, institution, year: -
   - Ph.D. Mechanical Engineering, Sultan Qaboos University, Oman, 2016
   - M.Sc Mechanical Engineering, Sultan Qaboos University, Oman, 2011
   - B.Eng. Mechanical Engineering, Sultan Qaboos University, Oman, 2009

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
     Assistant Professor (FT), Feb 2021 – present
     Visiting Faculty (PT), Sep 2018 – Jan 2019
     Post Doc (FT), Jun 2016 – Nov 2016
     Graduate Assistant (PT), Sep 2009 – Jun 2016

4. Non-academic experience – company or entity, title, brief description of position, when (ex. 1993-1999), full time or part time: -
   - Sultan Qaboos University
     Director of Vice Chancellor Office (FT), Mar 2021 – present

   - Ministry of Higher Education, Research, and Innovation
     In-charge, Directorate General for Programs & Capacity Building, Aug 2020 – Feb 2021

   - The Research Council of Oman
     Acting Assistant Secretary General for Programs & Capacity Building, Jul 2020 – Aug 2020
     Director, Programs Department, Jan 2020-Aug 2020
     Project Manager, Institute for Advanced Technology Integration, Nov 2016 – Dec 2019

   - GEOMAR Helmholtz Centre for Ocean Research Kiel, Germany
     Visiting Scientist, Nov 2016 – Nov 2018

5. Certifications or professional registrations: -

6. Current membership in professional organizations: -
   - Member, American Society of Mechanical Engineers (ASME): 000100784310
   - Member, Society of Petroleum Engineers: 3471708

7. Honors and awards: -
   - Outstanding Employee Award, Certificate of Appreciation from The Research Council for Excellence in Job duties, December 2018.
   - Selected among 100 young, promising leaders worldwide to participate in the "Future Leaders Program" where interactive dialogues between future leaders and Nobel Laureates takes place in areas of science and technology, Kyoto, Japan, 30th September 2017.
   - The GCC Honorary Award for Recognition of Creative Young People as Part of the GCC Joint Youth Work, Manama, Kingdom of Bahrain, 26th April 2017
   - The Occidental Oman Student Awards 2016 for the Advancement of Post-Graduate Education, Muscat, Oman, 18th October 2016.

- National Research Award 2014; Best Research Led by Young Researcher (non-PhD holder) in Energy and Industry Sector; Awarded by The Research Council of Oman, Muscat, Oman, 29th October 2014.
- Certificate of Recognition from SQU's Vice Chancellor for the outstanding achievements in research and obtaining international awards; University Day 2013, Muscat, Oman, 2nd May 2013.
- Best Business Idea Award, Sanad Program Awards 2012, In the 10th Anniversary of Sanad Program - Ministry of Manpower, Muscat, Oman, 08th December 2012
- Golden Medal, International Trade Fair: Ideas, Inventions, New Products (iENA 2012), Nuremberg, Germany, 01-04 November 2012
- 1st prize, Innovation Fair Oman (INFOM 2012) Organized by Industrial Innovation Center (IIC), Muscat, Oman, 29th September 2012.
- 1st prize, SPE Middle East Regional Student Paper Contest – Graduate Level, Texas A&M University at Qatar, Doha, Qatar, 16th May 2011
- 2011 SPE Star Academic Fellowship for the Middle East Region.
- 1st prize, SPE GCC Sub-Regional Student Paper Contest – Graduate Level, Texas A&M University at Qatar, Doha, Qatar, 22nd January 2011
- 2nd prize, SPE International Student Paper Contest – Undergraduate Level, 2010 International Student Paper Contest, SPE Annual Technical Conference & Exhibition, Florence, Italy, 19-22 September 2010.
- 1st prize, SPE Regional Student Paper Contest – Undergraduate Level, 2010 SPE EOR Conference, Oil & Gas West Asia, Oman, 10th April 2010.
- 1st prize, SPE GCC Sub-Regional Student Paper Contest – Undergraduate Level, Sultan Qaboos University, Muscat, Oman, 22nd February 2010.

8. Service activities (within and outside of the institution): -

9. Briefly list the most important publications and presentations from the past five years: -

Journal Articles

- T. Müller, J. Friesen, S.M. Weise, **Omar S. Al Abri**, A.B.A. Bait Said & N. Michelsen (2020). Stable Isotope Composition of Cyclone Mekunu Rainfall, Southern Oman. *Water Resources Research, 56 (12). e2020WR027644. DOI 10.1029/2020WR027644.*
- R. Khan, T. Pervez, N. Al Rasheedi, **Omar S. Al-Abri** & A. Sajid (2017). Effects of Expansion Rate on Plasticity and Structural Integrity of Down-Hole Tubular. *Int. J. of Pressure Vessels & Piping, 151, 1-10.*
- **Omar S. Al-Abri**, T. Pervez, S.Z. Qamar & R. Khan (2016). On the Performance Analysis of AHSS with an Application to SET Technology – FEM Simulations and Experimental Measurements. *Thin-Walled Structures, 101, 58-74.*
- **Omar S. Al-Abri**, T. Pervez, M.H. Al-Maharbi, & R. Khan (2016). Microstructure Evolution of Ultra-Fine Grain Low-Carbon Steel Tubular Undergoing Radial Expansion Process. *Materials Science & Engineering A, 654, 94-106.*
- **Omar S. Al-Abri**, T. Pervez, S.Z. Qamar & A.M. Al-Bussaidi (2015). Optimum Mandrel Configuration for Efficient Down-Hole Tube Expansion. *ASME Journal of Manufacturing Science & Engineering, 137(6), 061005 (14 pages).*
- **Omar S. Al-Abri**, T. Pervez, S.A. Al-Hiddabi & S.Z. Qamar (2015). Analytical Model for Stick-Slip Phenomenon in Solid Tubular Expansion. *Journal of Petroleum Science and Engineering, 125, 218-233.*
- **Omar S. Al-Abri** & T. Pervez (2013). Structural Behaviour of Solid Expandable Tubular Undergoes Radial Expansion Process – Analytical, Numerical, and Experimental Approaches, *International Journal of Solids and Structures, 50(19), 2980-2994.*

Conference Proceedings Articles

- P. Leibold & **Omar S. Al-Abri** (2019). An integrated web-based approach for near real-time mission monitoring. In: 2019 1st International Conference on Unmanned Vehicle Systems-Oman (UVS), February 2019, Muscat, Oman. IEEE. DOI: 10.1109/UVS.2019.8658284.
- R. Khan, T. Pervez, **Omar S. Al-Abri**, and S.Z. Qamar "Constitutive Modeling of Martensitic Transformation in Twinning Induced Plasticity Steels Subjected to Thermo-mechanical Load", International Conference on Martensitic Transformations, July 9-14, 2017, Chicago, IL, USA.
- **Omar S. Al-Abri**, T. Pervez, and M.H. Al-Maharbi, "Mechanical and Microstructural Changes of Fine Grained C-Mn Steel Tubular Undergoing Down-Hole Cold Expansion Process", IMECE2015-51568, ASME 2015 International Mechanical Engineering Congress & Exposition (IMECE2015), 13th-19th November, 2015, Houston, Texas, USA.
- T. Pervez, **Omar S. Al-Abri**, and S.Z. Qamar, "Minimization of Pop-Out Phenomenon Effect in Down-Hole Tubular Expansion", IMECE2015-51653, ASME 2015 International Mechanical Engineering Congress & Exposition, 13th-19th November, 2015, Houston, Texas, USA.
- **Omar S. Al-Abri**, T. Pervez, R. Khan, and S.Z. Qamar, "Experimental Investigation of Mechanically Induced Martensitic Transformation in Expandable Steel", International Conference on Martensitic Transformations (ICOMAT2014), July 6-11, 2014, Bilbao, Spain.
- **Omar S. Al-Abri**, T. Pervez, S. Z. Qamar, and R. Khan "Finite Element Formulation for Prediction and Quantification of Stick-Slip Phenomenon in Down-Hole Tubular Expansion", IMECE2013-66228, Proceedings of the ASME 2013 International Mechanical Engineering Congress & Exposition, 13th-21stNovember, 2013, San Diego, California, USA
- **Omar S. Al-Abri** and T. Pervez, "Analytical, Computational & Experimental Studies of Stick-Slip Phenomenon in Tube Expansion", Proceedings of the 24th Canadian Congress of Applied Mechanics (CANCAM), 2nd-6th June, 2013, Saskatoon, Saskatchewan, Canada

10. Briefly list the most recent professional development activities: -
    - **2020 KISTEP-ISTIC S&T Innovation Training Program for High level Policy Makers**; Korea Institute of S&T Evaluation and Planning in collaboration with International Science, Technology, and Innovation Centre for South-South Cooperation under the auspices of UNESCO, Korea, 27-30 October 2020.
    - **Introduction to The CDIO™ (Conceive-Design-Implement-Operate) Initiative**; College of Engineering, Sultan Qaboos University, Muscat, Oman, May17-19, 2016. Presented by Dr. Juha Kontio, Dean of Faculty of Business, ICT and Chemical Engineering, Turku University of Applied Science, Finland.
    - **Simulation and Analysis of Solid Structures and Frames using ANSYS Workbench;** 5-daysworkshop organized by Independent Learning Centre, Sultan Qaboos University, Muscat, Oman, April (10-12 & 17-18), 2016.
    - **Metallographic Samples Preparation: Sectioning, Mounting, Polishing and Etching;** Buehler Laboratory, Dusseldorf, Germany, April 14-15, 2015.
    - **International Summer School on Martensitic Transformation – ISSOMAT;** School dedicated for PhD students and young researchers, Bilbao, Spain, July 3-5, 2014.
    - **EBSD, Aztec Energy (EDS), and INCAWave (WDS) Training Courses;** Oxford Instruments, London, UK, June 2-6, 2014.
    - **Finite Element Method with Applications to Solid Mechanics, Fluid Mechanics, & Heat Transfer**; 2-days course presented by Prof. J.N. Reddy, College of Eng., Sultan Qaboos University, Muscat, Oman, December 3-4, 2012.
    - **Residual Stresses Measurement by Hole-Drilling Method;** 2-days Training on Residual Stress Analyzer (RESTAN/MTS3000) System, SINT Technology, Florence, Italy, May 09-10, 2011.