

1. Name: **Sayyad Zahid Qamar**
2. Education – degree, discipline, institution, year:
 - PhD Mechanical Engineering, King Fahd University of Petroleum and Minerals (KFUPM), Dhahran, Saudi Arabia, 2004
 - MS Mechanical Engineering, Texas A&M University, College Station, Texas; and Stanford University, Palo Alto, California, USA; 1993
 - BE Mechanical Engineering, NED University of Engineering & Technology, Karachi, Pakistan, 1985
3. Academic experience – institution, rank, title (chair, coordinator, etc. if appropriate), when (ex. 1990-1995), full time or part time:
 - Mechanical & Industrial Engineering Department, Sultan Qaboos University (SQU), Oman
 - Professor; June 2020 to date
 - Associate Professor; May 2012 to May 2020
 - Assistant Professor; January 2005 to April 2012
 - Visiting Consultant; September-December 2004
 - Mechanical Engineering Department, KFUPM, Dhahran, Saudi Arabia
 - Lecturer; August 1999 to June 2004
 - Faculty of Mechanical Engineering, Ghulam Ishaq Khan Institute of Engineering Science and Technology (GIKI), Topi, Pakistan
 - Research Associate; August 1996 to July 1999
4. Non-academic experience – company or entity, title, brief description of position, when (ex. 1993-1999), full time or part time:
 - Manager, Research & Development, General Engineering Division, Karachi Shipyard & Engineering Works Ltd (KSEW), Karachi, Pakistan, July 1994 to August 1996
 - Deputy Manager, Engineering Design, General Engineering Division, Karachi Shipyard & Engineering Works Ltd (KSEW), Karachi, Pakistan, January 1993 to July 1994
 - Production Engineer, Hidada Ltd, Jeddah, Saudi Arabia, June 1987 to July 1988
 - Quality Control Engineer, Hidada Ltd, Jeddah, Saudi Arabia, May 1986 to June 1987;
5. Certifications or professional registrations:
 - PE, Pakistan Engineering Council, 1986 to date
6. Current membership in professional organizations:
 - American Society of Mechanical Engineers (ASME)
 - The Materials Society (TMS)
 - American Society of Metals (ASM)
 - Society of Petroleum Engineers (SPE)

7. Honors and awards:

- Award for Scientific and Research Excellence, Sultan Qaboos University, May 2020
- Award for Best Professor in Applied Materials and Manufacturing, GCC Education Leadership Awards, Abu Dhabi, March 2019
- Award for Academic Excellence, presented by the Foreign Minister of Pakistan and the Ambassador of Pakistan to Oman, Muscat, January 2019
- Award for Academic Excellence, presented by the Ambassador of Pakistan to Oman, Muscat, January 2018
- Distinguished Researcher Award, College of Engineering, Sultan Qaboos University, May 2017
- Distinguished Researcher Award, College of Engineering, Sultan Qaboos University, May 2011

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

- CoE representative, Academic Quality Assurance Committee, 2012 to 2019
- CoE representative, Agriculture Engineering Program Steering Committee; 2007 to date
- Chair, Dept Accreditation Committee, Sept-2020 to date
- Member, College Board (MIE representative); 2016-2017
- Coordinator, College Accreditation Committee (ABET), 2012-2015
- College Strategic Planning Committee; MIE representative; 2009-2011
- Coordinator, ABET SSR Committee, ME Program; 2010-2013
- Coordinator, External Liaison Committee, 2011 to date
- Coordinator, Department Strategic Planning Committee; 2009 to 2017
- Associate editor, and Member of editorial board for international journals: Materials and Manufacturing Processes, Journal of Elastomers and Plastics, The Journal of Engineering Research, International Journal of Business Engineering and Management Systems, etc
- Guest editor of special issues for Materials and Manufacturing Processes (twice), and the Journal of Engineering Research (twice)

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

- **Encyclopedia:** Qamar SZ (section editor) Vol-5: Renewability of Synthetic Materials, in S. Hashmi, I.A. Choudhury (editors in-chief), Reference Module in Materials Science and Materials Engineering: Encyclopedia of Renewable and Sustainable Materials, Elsevier, 2020
- **Book:** Qamar SZ (editor) Extrusion of Metals, Polymers, and Food Products, (2018) INTECH Open Science, ISBN 978-953-51-3838-9, Print ISBN 978-953-51-3837-2, February 28, 2018
- **Book Chapter:** Qamar SZ, Al-Kindi M (2020) "Renewability and Sustainability: Current Status and Future Prospects," chapter in Editor(s): Saleem Hashmi, Imtiaz Ahmed Choudhury, Reference Module in Materials Science and Materials Engineering: Encyclopedia of Renewable and Sustainable Materials, Elsevier, 2020, Pages 717-730
- **Journal Papers:** Qamar SZ, Chekotu JC, Qamar SB (2019) "Effect of Shape Complexity on Ram Pressure and Metal Flow in Aluminum Extrusion," JOM, Journal of the Minerals Metals & Materials Society (TMS), 71 (12), Nov 2019, p 4378-4392

- Qamar SZ, Chekotu JC, Al-Maharbi M, Alam K (2019) "Shape Complexity in Metal Extrusion — Definitions, Classification, and Applications," *Arabian Journal for Science and Engineering*, (2019) 44:7371-7384
- Qamar SZ (2018) "Engineering Education: Skill Levels and Outcome-Based Approach," *International Journal of Management and Applied Science*, 4 (12), Dec 2018, p 25-29
- Qamar SZ, Pervez T, Chekotu JC (2018) "Die Defects and Die Corrections in Metal Extrusion," *Metals*, 2018, 8 (6), 380
- Akhtar M, Qamar SZ, Pervez T, Al-Jahwari FK (2018) "Performance Analysis of Swelling Elastomer Seals," *Petroleum Science and Engineering*, 165 (2018), p 127-135
- Qamar SZ, Pervez T, Akhtar M (2016) "Performance Evaluation of Water-Swelling and Oil-Swelling Elastomers," 48 (6) 2016, p 535–545, *Journal of Elastomers and Plastics*
- Qamar SZ (2015) "Fracture Life Prediction and Sensitivity Analysis for Hollow Extrusion Dies," *Fatigue and Fracture of Engineering Materials and Structures*, 38 (4), 2015, p 434– 444
- Qamar SZ (2015) "Heat Treatment and Mechanical Testing of AISI H11 Steel," *Key Engineering Materials*, Vols 656-657 (2015), p 434-439
- **Conference Keynote Speaker:** "Material Enhancement of Expansion Mandrel for Oil and Gas Wells," *International Conference on Petrochemical Engineering and Natural Resources (Online)*, 8-9 June 2020, Dubai, UAE
- Keynote Speaker: "Integrity Assessment of Polymer Pipes in Petroleum Drilling Applications," *2nd International Conference and Expo on Oil & Gas*, 2-3 December 2019, Dubai, UAE
- Keynote Speaker: "Finite Element Simulation of Elastomer Swelling in Petroleum Drilling Applications," *3rd International Conference on Gas, Oil and Petroleum Engineering (GOPE 2019)*, 8-20 Feb 2019, San Francisco, USA
- Keynote Speaker: "Use of Swelling Elastomers in Drilling and Development of Oil and Gas Wells; Elastomer Research at Sultan Qaboos University," *2nd International Oil and Gas Conference*, 3-5 Dec 2018, Dubai, UAE
- Keynote Speaker: "Engineering Education: Skill Levels and Outcome-Based Approach," *ISERD International Conference on Education and E-Learning (ICEEL)*, 7-8 August 2018, Istanbul, Turkey

10. Briefly list the most recent professional development activities:

- Three-month online course on "Teaching Critical Thinking," Oct-Dec 2019; organized by Center of Excellence in Teaching and Learning (CETL), SQU; conducted by Mr David Paquin
- One-day workshop on "Developing Your Teaching Philosophy Statement," 03 Nov 2019; organized by Center of Excellence in Teaching and Learning (CETL), SQU; conducted by Dr Frances Kalu, Teaching and Learning Specialist, Center for Teaching and Learning, University of Calgary, Qatar
- Two-day workshop on "Project Risk Management Masterclass," 19-20 Dec 2018, organized by Center for Staff Development and Risk Management Office, SQU; conducted by Dr David Hillson, the Risk Doctor Partnership
- Two-day workshop on "Creating Significant Learning Experiences," 9-10 Sep 2018; organized by Center of Excellence in Teaching and Learning (CETL), SQU
- Three-day workshop on "Introduction to CDIO Initiative," 17-19 May 2016, SQU