

Sayyad Zahid Qamar

Education

- PhD (2004), Mechanical Engineering Department, King Fahd University of Petroleum and Minerals (KFUPM), Dhahran, Saudi Arabia
- MS (1993), Institute for Innovation and Design in Engineering, Mechanical Engineering Department, Texas A&M University, College Station, Texas; and Stanford University, Palo Alto, California, USA
- BE (1985); Mechanical Engineering Department, NED University of Engineering & Technology, Karachi, Pakistan

Academic experience

- Professor; May 2012 to date; Mechanical & Industrial Engineering Department, Sultan Qaboos University (SQU), Oman
- Associate Professor; May 2012 to date; Mechanical & Industrial Engineering Department, Sultan Qaboos University (SQU), Oman
- Assistant Professor; January 2005 to April 2012; Mechanical & Industrial Engineering Department, Sultan Qaboos University (SQU), Oman

Non-Academic experience

- Manager, Research & Development, July 1994 to August 1996; General Engineering Division, Karachi Shipyard & Engineering Works Ltd (KSEW), Karachi, Pakistan
- Deputy Manager, Engineering Design, January 1993 to July 1994; General Engineering Division, Karachi Shipyard & Engineering Works Ltd (KSEW), Karachi, Pakistan
- Production Engineer, June 1987 to July 1988; Quality Control Engineer, May 1986 to June 1987; Hidada Ltd, Jeddah, Saudi Arabia

Certifications or professional registrations

- Professional Engineer (PE), Pakistan Engineering Council (PEC), 1984

Membership in professional organizations

- American Society of Mechanical Engineers (ASME)
- American Society of Metals (ASM)
- Society of Petroleum Engineers (SPE)
- American Society of Engineering Education (ASEE)

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
- Distinguished Researcher Award, College of Engineering, Sultan Qaboos University, May 2017
- Distinguished Researcher Award, College of Engineering, Sultan Qaboos University, May 2011

Service activities (within and outside of the institution)

University

- CoEng representative, Agriculture Engineering Program Steering Committee; 2007 to 2024
- CoEng representative, Academic Quality Assurance Committee, 2012 - 2018

College of Engineering

- Chair, College Risk Management (HSE) Committee, 2018 to date

- Member and rapporteur, College Academic Promotions Committee; 2021 onwards
- Coordinator, College Accreditation Committee (ABET), 2012-2015

MIE Dept

- Chair, Dept Accreditation Committee (DAC) for both ME and IE programs, 2017 to date
- Chair, Dept ABET Committee (ME Program), 2021
- Chair, Materials and Manufacturing Focus Group; 2020 to date
- Chair, Dept Health, Safety, and Environment (HSE) Committee, 2017 to 2023

Most important publications and presentations from the past five years

Books

- Qamar SZ (volume editor): Thermal Engineering of Steel Alloy Systems; in 13-volume series: Comprehensive Materials Processing, 2nd edition, Reference Module in Materials Science and Materials Engineering, Elsevier; published online May 2024
- Qamar SZ, Akhtar M, Pervez T (2021) Swelling Elastomers in Petroleum Drilling and Development — Applications, Performance Analysis, and Material Modeling. London: IntechOpen; 2021

Chapters in Books

- Qamar SZ (2024) “Introduction to Thermal Engineering of Steel Alloy Systems,” in Saleem Hashmi (ed), Comprehensive Materials Processing, 2nd edition, Reference Module in Materials Science and Materials Engineering, Elsevier, 2024
- 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

Journal Papers

- Qamar SZ, Pervez T, Al-Jahwari F (2023) “Integrity Assessment of High-Performance PVC Pipes for Thermal Wells,” Polymers 2023, 15, 3593
- Qamar SZ (2021) “Numerical Investigation of Tubular Expansion and Swelling Elastomers in Oil Wells,” Journal of Polymer Engineering, 2021, 41 (10): 883-892
- Qamar SZ, Pervez T, Akhtar M, Al Kharusi M (2021) “Long-Term Performance Assessment of Swell Packers under Different Oilfield Conditions,” ASME Journal of Energy Resources Technology (JERT), June 2021; 143 (6): 063006
- 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

Most recent professional development activities

- One-week workshop (face-to-face/online) on “Learning from Within: Peer Review's Role in Teacher Development,” March 2024; organized by Center of Excellence in Teaching and Learning (CETL), SQU; conducted by Dr Nazanin Dehdary and Mr Ndrew Allmark
- Three-month course (face-to-face/online) on “Teaching Critical Thinking,” Oct-Dec 2019; organized by Center of Excellence in Teaching and Learning (CETL), SQU; conducted by Mr David Paquin