

1. Name: **Musaab Zarog**
2. Education – degree, discipline, institution, year: -
 - PhD, University of Newcastle Upon Tyne, United Kingdom, 2006
 - MSc, University of Newcastle Upon Tyne, United Kingdom, 2001
 - B.Eng. International Islamic University, Malaysia 1999
3. Academic experience – institution, rank, title (chair, coordinator, etc. if appropriate), when (ex. 1990-1995), full time or part time: -
 - Assistant professor/Full-time; Department of Mechanical and Industrial Engineering; College of Engineering, Sultan Qaboos University, Muscat, Sultanate of Oman, 2015-present
 - Associate professor/ Full-time, School of Mechanical Engineering, Sudan University of science and technology, Khartoum, Sudan, 2013-2015
 - Assistant professor/ Full-time, Sudan University of science and technology, Khartoum, Sudan, 2010-2013
 - Assistant professor/ Full-time, Department of Biomedical Engineering, University of Medical Sciences and technology, Khartoum, Sudan, 2006-2010
4. Non-academic experience – company or entity, title, brief description of position, when (ex. 1993-1999), full time or part time: -
 - Director of External Relations Department; Sudan University of Science and Technology (SUST); Khartoum; Sudan, 2012- 2015
 - Chairman and General Manager, Olul-albab for Research and Development, Khartoum North, Block.8, No. 132. 2008-2009
 - Acting Dean, Faculty of biomedical engineering, , University of Medical Sciences and Technology, Khartoum, Sudan, April07- May07
 - MBA coordinator, Faculty of Business and Financial Sciences , University of medical sciences and technology, Khartoum, Sudan, Oct07- Feb08
 - Head, department of Electronics engineering, University of Medical Sciences and Technology, Khartoum, Sudan, May08- march 10
 - Technical assistant, British Telecoms -Retail ;SEARCH, Newcastle upon Tyne, United Kingdom, 2005-2006
5. Certifications or professional registrations: -
 - PE, Pakistan Engineering Council, 1991 - Present
6. Current membership in professional organizations: -
 - Senior Member of Institution of Electrical And Electronics Engineering (IEEE) since 2014
 - Member of Institute of Physics, MInstP
7. Honors and awards: -
 - Awarded certificate of appreciation for outstanding efforts and contributions to the college of engineering during academic year 2016-2017
 - Awarded EPSRC (Engineering and Physical sciences Research Council, United Kingdom) scholarship for PhD

- Awarded International Postgraduate Scholarship, University of Newcastle Upon Tyne (UK)
8. Service activities (within and outside of the institution): -
- Invited speaker, MEMS Energy Harvesters, Ministry of Manpower, Ibra College of Technology, Oman, delivered on 6th Feb. 2019
 - ABET Mechatronics committee, SQU, 2016- Now
 - Reviewer; Journal of Microsystem Technologies, Journal of Islamic and Human Adv. Research, and Journal of Electrical and Electronic Engineering
9. Briefly list the most important publications and presentations from the past five years: -
- Salah Eldeen Osman and Musaab Zarog, “Optimized V-shaped Beam Micro-electrothermal Actuator Using Particle Swarm Optimization (PSO) Technique”, Micro and Nanosystems, Vol.11, 2019
 - Majdi Ahmed¹, Mohammed Abd-arahman¹, Mohammed Abdallah¹, Musaab Zarog, “Materials investigation for lower limb Prosthetic socket”, International Journal of Mechanical and Industrial Technology, Vol. 6, Issue 1, pp: (18-22),2018
 - Musaab Zarog, “3C-SiC: A promising material^{3c-sic}: a promising material for GHz resonators in out-of-plane resonance mode”, Scientific Bulletin of Naval Academy, Scientific Bulletin of Naval Academy, Issue No.1, 2017.
 - Einas Gaafar and Musaab Zarog, “A Low-Stress and low temperature gradient Microgripper for biomedical applications”, Journal of Microsystem Technologies, Vol.18, No.3, 2017
 - Abdelhaleem Obeid and Musaab Zarog, “A CAD model of DC-contact MEMS series switch”, International Journal of Mechatronics, Electrical and Computer Technology, Vol.4(11), 2014
 - Musaab Zarog, “Towards a numerical method to evaluate and weigh benefits and harms from Islamic jurisprudence view”, Journal of Islamic Sciences and Research, Sudan University of Science and Technology, Vol.18 (1), 2017.
10. Briefly list the most recent professional development activities: -
- “How digital learning can enhance learning experience” A workshop offered by Anthony Vinod, held at Sultan Qaboos University, 29th Oct. 2018, Muscat, Oman
 - “Highlighting Change: Teaching and Learning at SQU” A workshop offered by Centre for Excellence in Teaching and Learning (CETL) , held at Sultan Qaboos University, 11-13 Nov. 2018, Muscat, Oman
 - “Creating significant learning Experiences, A workshop offered by DEE FINK & ASSOCIATES (USA), Dr. Steward Ross, held at Sultan Qaboos University, 13th Feb. 2017, Muscat, Oman
 - “Introduction to COMSOL mutliphysics” A course conducted by Mr. Hakam Elessawy at Sultan Qaboos University, 14th December. 2017, Muscat, Oman.
 - Numerical Optimization Software, Workshop delivered by Prof. Hans Mittelmann, USA, at Sultan Qaboos University 08-09 January 2017 , Muscat, Oman.
 - Alternative Instructional Strategies, A workshop conducted by Prof. Nikos Mourtos : Chair of Aerospace Engineering Department at San Jose State University in California, held at Sultan Qaboos University, 16th May 2017, Muscat, Oman
 - Introduction to COMSOL mutliphysics” A course c at SQU, 14th December. 2017, Oman.