

1. Name: **Nabeel Al-Rawahi**
2. Education – degree, discipline, institution, year: -
  - Ph. D. Mechanical Engineering, University of Michigan, Ann Arbor, USA, [1998 – 2002]
  - M. Sc. Mechanical Engineering, University of Michigan, Ann Arbor, USA, [1995 – 1997]
  - B. Eng. Mechanical Engineering, Sultan Qaboos University, Muscat, Sultanate of Oman, [1989 -1994]
3. Academic experience – institution, rank, title (chair, coordinator, etc. if appropriate), when (ex. 1990-1995), full time or part time: -
  - Associate Professor: Department of Mechanical Engineering and Industrial Engineering, 2012- present
  - Head of Department: Department of Mechanical Engineering and Industrial Engineering, 2011-2017
  - Assistant Professor: Department of Mechanical Engineering and Industrial Engineering, 2002-2012
  - Lecturer: Department of Mechanical and Industrial Engineering, 1997-2002
  - Demonstrator: Department of Mechanical Engineering, 1994-1997
4. Non-academic experience – company or entity, title, brief description of position, when (ex. 1993-1999), full time or part time: -
5. Certifications or professional registrations: -
6. Current membership in professional organizations: -
  - American Society for Engineering Education (ASEE), 2015- present.
  - American Society of Heating, Refrigerating and Air Conditioning Engineers (ASHRAE), 2012-2015
  - Society of Automotive Engineering (SAE), 2002 – present.
  - American Society of Mechanical Engineering (ASME), 1995 – present.
7. Honors and awards: -
8. Service activities (within and outside of the institution): -
  - Special Issue Guest Editor: Pervez, T, Abdo, J., Al-Rawahi, N. “The journal of Engineering Research (TJER”, 14 (2), 2017.
  - Chair, International Conference of Applied Mechanics and Industrial Systems (ICAMIS-Oman), Muscat Oman, December 6-8, 2016.
  - Associate Editor, The journal of Engineering Research (TJER), 2016 to date.
  - Member, Joint Committee of Sultan Qaboos University and the Ministry of Commerce and Industry, (2010-2017).
  - Chair, Organizing committee, 1st Exhibition “Towards Industrial Innovative Solutions”, AlRusayl Industrial Estate, 22nd April 2014.
  - Chair, Mechatronics Program Steering committee, 2011-2014.

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

JOURNAL ARTICLES

- Al-Azri, N., Zurigat, Y., Al-Rawahi, N. (2017) “Development of Bioclimatic Design Tool for Oman Using Dry Bulb and Dew Point Temperatures Open Database” The Journal of Engineering Research (TJER), 14 (2), pp. 137-44. DOI:10.
- Goher, K. M., Chenhui, K., Fadlallah, S. O., Al Shabibi, A. M, Al Rawahi, N. Z (2017) “Transient dynamic impact suppression of a Baja chassis using frontal and rear shock absorbers” International Journal of Crashworthiness, 22 (6), pp. 676-88.
- Al-Rawahi, N., Zurigat, Y.H. and Al-Azri, N. (2016), “Investigating different diffuse solar radiation models to analyse solar radiation on inclined surfaces in Oman “International Journal of Sustainable Energy, 35 (8), pp. 757-773. DOI: 10.1080/14786451.2014.950961
- Husain, A. Ariz, M., Al-Rawahi, N., Ansari, M. (2016) “Thermal performance analysis of a hybrid micro-channel,-pillar and-jet impingement heat sink” Applied Thermal Engineering, 102, pp. 989-1000.
- Haji, AH., Al-Rawahi, N., Vakili-Nezhaad, G. (2016) ”Investigation on the Effectiveness of an Innovative Airfoil-Type Degasser” Separation Science and Technology, 51 (4), pp. 701-710.
- Husain, A., Al-Azri, NA., Al-Rawahi, NZH., Samad, A. (2015) “Comparative Performance Analysis of Microjet Impingement Cooling Models with Different Spent-Flow Schemes” Journal of Thermophysics and Heat Transfer, 30 (2), pp. 446-472. DOI: 10.2514/1.T4577
- Haji,A.H., Al-Rawahi, N., Vakili-Nezhaad, G. (2014) “Variation of Airfoil Pressure Profile Due to Confined Air Streams: Application in Gas-Oil Separators” International Journal of Mechanical and Mechatronics Engineering, 12(1)
- Al-Azri, N., Zurigat, Y. H., and Al-Rawahi, N., (2013) “Development of bioclimatic chart for passive building design” International Journal of Sustainable Energy, 32 (6), pp. 713-723 , DOI: 10.1080/14786451.2013.813026.
- Al-Azri, N., Zurigat, Y. H., and Al-Rawahi, N. (2013) “Selection and assessment of passive cooling techniques for residential buildings in Oman using a bioclimatic approach” The Journal of Engineering Research 10(2):53-65.

BOOK CHAPTERS

- Sulaiman Al Obaidani, Mohammed Al-Abri, and Nabeel Al-Rawahi “Achieving the Zero-Liquid-Discharge Target Using the Integrated Membrane System for Seawater Desalination” Recent Progress in Desalination, Environmental and Marine Outfall Systems, 2015, Springer, ISBN 978-3-319-19122-5.

10. Briefly list the most recent professional development activities: -

- “Critical Thinking Skills for the 21st Century”, Prof. Nikos J. Mourtos, Sultan Qaboos University, Oman, 16-17 May 2017.
- “Preparing Effective Practitioners and Responsible Citizens for the 21st Century”, Prof. Nikos J. Mourtos, Sultan Qaboos University, Oman, 18 May 2017.
- “Introduction to CDIO Initiative”, Dr. Juha Kontio, Sultan Qaboos University, Oman, 17-19 May 2016.
- “PMP.5: Project Management Professional”, Muscat, Oman, Sultan Qaboos University and Al-Alawi Training Center, 16-27 February 2014.