

## **Nasr Hamood Al-Hinai**

ASSOCIATE PROFESSOR

College of Engineering, Sultan Qaboos University (SQU)

Telephone: (968) 24142553; Fax: (968) 24141316; Email: [nhinai@squ.edu.om](mailto:nhinai@squ.edu.om)

### **EDUCATION**

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Ph. D. Industrial Engineering, University of Manitoba, Winnipeg, Canada, 2011  
M. Sc. Manufacturing Engineering, UMIST, Manchester, UK, 2003  
B. Eng. Mechanical Engineering, Sultan Qaboos University, Oman, 2001

### **ACADEMIC EXPERIENCE**

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Mechanical & Industrial Engineering, Sultan Qaboos University  
Associate Professor, 2021-Present  
Assistant Professor, 2011-2021  
Lecturer, 2003-2011  
Demonstrator, 2001-2003

### **HONORS AND AWARDS**

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“IEOM Distinguished Academic Leadership Award” for exceptional academic leadership contributions to the field of industrial engineering and operations management.

Received during the 2<sup>nd</sup> GCC International IEOM Conference, Muscat, Oman, December 3, 2024.

“Best Published Paper Award” in The Journal of Engineering Research for the year 2020, Paper title: “Analysis of Factors Affecting Motivation in Projects: A Case Study in Oil and Gas Industry in the Sultanate of Oman”.

Received on May 2, 2021.

***“Amity Excellence Award for Best Faculty in the area of Project Management”*** for exemplary contribution to teaching and contributions in the field of project management.

Received during the 20<sup>th</sup> International Business Horizon World Summit, Nordia, India, February 19, 2020

“The 2018 IEOM Teaching Excellence Award for exceptional teaching contributions to the field of industrial engineering and operations management”

Received during the 8th IEOM Conference, Bandung, Indonesia, March 7, 2018.

“First Place for the FYP Design Competition”

Supervisor of Final Year Project, May 2018.

“Second Place of the Senior Design Poster Competition”

Supervisor of Final Year Project Received during the 8th IEOM Conference, Bandung, Indonesia, March 7, 2018.

“Outstanding Committee Member Award”

College of Engineering, Sultan Qaboos University, May 2017.

“Best track paper award”

IEOM conference, Rabat, Morocco, April 2017.

“First Place for the FYP design competition”

Supervisor of Final Year Project, May 2017.

“Distinguished Teacher Award”

Sultan Qaboos University, May 2016.

“Distinguished Committee Service Award”

College of Engineering, Sultan Qaboos University, May 2016.

“Third Place for the FYP design competition”

Supervisor of Final Year Project, June 2014

### **SERVICE ACTIVITIES**

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2021-Present HoD, Mechanical and Industrial Engineering, SQU

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| 2020-2021    | Assistant HoD, Mechanical and Industrial Engineering, SQU.   |
| 2023-Present | Chair, Mechatronics Engineering Steering Committee, SQU  |
| 2021-2023    | Co-Chair, Mechatronics Engineering Steering Committee, SQU   |
| 2011-Present | Member, Mechanical and Industrial Engineering (MIE) Board, SQU   |
| 2017-Present | IE PSGR Coordinator, MIE Department Postgraduate Studies and Research (DPGSR) Committee, SQU.                |
| 2015         | Member, SQU-Streetcar System Committee formed by College of Engineering, SQU.                                |
| 2014-2017    | ABET Industrial Engineering Program Coordinator (DCAC-ABET), SQU.  |
| 2014-2017    | Member, MIE ad-hoc committee evaluator of the IE MSc and PhD applicants, SQU.                                |
| 2014-2017    | Member, College of Engineering Accreditation Committee, (CAC), SQU.  |
| 2015-2017    | Member, College of Engineering Social Activities Committee, SQU.   |
| 2012-Present | Member, Department Recruitment Committee, SQU.   |
| 2017-2018    | Member, MIE Department Social Activities Committee, SQU.   |
| 2011-2017    | Chair, MIE Department Social Activities Committee, SQU.  |
| 2014-Present | Chair, MIE Department Continuous Assessment and Evaluation Committee – Industrial Eng. Prog. (CAEC-IE), SQU. |

## RECENT PRINCIPAL PUBLICATIONS

### JOURNAL PAPERS (SELECTED)

1. Nassar, Mahmoud MA, Khalid I. Alzebeleh, **Nasr Al-Hinai**, and Mahmoud Al Safy. "Enhancing mechanical performance of polypropylene bio-based composites using chemically treated date palm filler." *Industrial Crops and Products* 220 (2024): 119237.
2. Bait Kulaib, Ghaida Q., **Nasr Al-Hinai**, and Khalid Alzebeleh. "Factors influencing communication of virtual teams in times of pandemic: a case study in engineering education." *European Journal of Engineering Education* (2024): 1-18.
3. Alsafy, Mahmoud MM, **Nasr Al-Hinai**, Khalid I. Alzebeleh, El-Said I. El-Shafey, and Mahmoud MA Nassar. "Characterization of extracted bio-nano particles from date palm agro-residues." *Journal of Materials Research and Technology* 30 (2024): 4939-4949.
4. Alzebeleh, Khalid, **Nasr Al-Hinai**, Mahmoud Al Safy, and Mahmoud Nassar. "Recycled polymer bio-based composites: A review of compatibility and performance issues." *Recycled Polymer Blends and Composites: Processing, Properties, and Applications* (2023): 363-387.
5. Summad, Emad, Mahmood Al-Kindi, **Nasr Al-Hinai**, Ahm Shamsuzzoha, and Sujan Piya. "The application of agent-based modelling for the diffusion of innovation research: a case study." *International Journal of Business Innovation and Research* 30, no. 4 (2023): 542-564.
6. Mahmoud Nassar, Khalid Alzebeleh, **Nasr Al-Hinai**, and Tasneem Pervez, 2023. A New Multistep Chemical Treatment Method for High Performance Natural Fibers Extraction. *Journal of Natural Fibers*, 20(1), p. 2150922.
7. Mahmoud Nassar, Belal J. Abu Tarboush, BJA, Khalid I. Alzebeleh, **Nasr Al-Hinai**, and Tasneem Pervez, 2022. "New Synthesis Routes toward Improvement of Natural Filler/Synthetic Polymer Interfacial Crosslinking." *Polymers*, vol. 14, no. 3, 629
8. Piya, Sujan, Ahm Shamsuzzoha, Muhammad Azizuddin, **Nasr Al-Hinai**, and Babek Erdebilli. "Integrated fuzzy AHP-TOPSIS method to analyze green management practice in hospitality industry in the sultanate of Oman." *Sustainability* 14, no. 3 (2022): 1118.

9. Mahmoud M.A. Nassar, Khalid I. Alzebdeh, Tasneem Pervez, *Nasr Al-Hinai*, and Abdul Munam. "Progress and challenges in sustainability, compatibility, and production of eco-composites: A state-of-art review." *Journal of Applied Polymer Science* 138, no. 43 (2021): 51284.
10. Mahmoud M.A. Nassar; Khalid Alzebdeh; Tasneem Pervez; *Nasr Al-Hinai*; Abdul Munam; Farooq Al-Jahwari; and Ishaq Sider, 2021, "*Polymer powder and pellets comparative performances as bio-based composites*", Iranian Polymer Journal, 30(3), 269-283. <https://doi.org/10.1007/s13726-020-00888-4>.

#### CONFERENCE PAPERS (SELECTED)

1. Al-Sheheimi, Awadh, Mahmoud Alsafy, *Nasr Al-Hinai*, and Hakan Gultekin. "Defining Artificial Neural Network Hyperparameters for Forecasting Nonstationary Demand of Spare Parts." In International Conference on Mechanical, Automotive and Mechatronics Engineering. 2023.
2. Hakan Gultekin, and *Nasr Al-Hinai*. "Unrelated Parallel Machine Scheduling with Sequence and Machine Dependent Setup Times and Resource Constraints." In International Conference on Mechanical, Automotive and Mechatronics Engineering. 2023.
3. Qamar, S. Z., Qamar, S., and *Al-Hinai, N.* 2022. Assessment of Critical Thinking Skills in Engineering Education. In: 2022 ASEE Annual Conference & Exposition., Minneapolis, Minnesota, USA, June 26-29, 2022. (**Scopus indexed**)
4. *Al-Hinai, N.*, Rahman, M. M. M., and Piya, S. 2022. Critical Success Factors in Construction Related Projects in Oman. In: 12th Annual International Conference on Industrial Engineering and Operations Management, Istanbul, Turkey, March 7 – 10, 2022.

### **PROFESSIONAL DEVELOPMENT ACTIVITIES**

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#### Workshops

Attended one-day workshop "Alternative Teaching Methods" held at Sultan Qaboos University, conducted by Prof. Nikos Mourtous, Professor and Director of Aerospace Engineering, San José State University, May 18, 2017

Attended one-day workshop "Critical Thinking" held at Sultan Qaboos University, conducted by Prof. Nikos Mourtous, Professor and Director of Aerospace Engineering, San José State University, May 17, 2017.

Attended three-day workshop "Introduction to CDIO Initiative: Rethinking engineering education" held at Sultan Qaboos University, conducted by Dr. Juha Kontio, Faculty of Business, ICT and Chemical Engineering, Turku University of Applied Sciences, May 17-19, 2016

"ABET Workshop", SQU, Oman, 14-15 February 2012.

"ABET Workshop & MIE Department Strategic Planning", SQU, Oman, 22 September 2012.