



1. Name

- Majed Mohammed Ahmed Masmali

2. Contact Details

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3. Education

- Ph.D., Manufacturing Engineering, The University of New South Wales (Australia), 2016
- M.E., Manufacturing Engineering, Royal Melbourne Institute of Technology (Australia), 2010
- B.S., Industrial Engineering, King Abdul Aziz University (Saudi Arabia), 2004

4. Academic experience

- Department of Industrial Engineering (Northern Border University, Arar, Saudi Arabia), Assistant Professor, 06/2017 - Date, Full Time

5. Non-academic experience

- The Saline Water Conversion Corporation (Yanbu, Saudi Arabia), Maintenance Planning Foreman, 11/2007- 2/2008, Full Time
- Almarai Company (Alkharj, Saudi Arabia), Fire Inspector, 03/2005- 10/2007, Full Time

6. Current membership in professional organizations

- Saudi Council of Engineers, Membership No. 502330, valid until June 23, 2026

7. Honors and awards

- First place winner in the Graduate Student Paper Competition organized at the Sixth International Conference on Industrial Engineering and Operations Management, Kuala Lumpur, Malaysia, 03/2016
- First place winner in the graduate students' contest organized at the First International conference on Industrial, Systems and Manufacturing Engineering, Amman, Jordan, 11/2014
- Postgraduate research student support scheme, The University of New South Wales, Sydney, Australia, 11/2014
- King Abdullah Scholarship Program, Saudi Arabia, 2008 -2015

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

- Northern Border University, Head of Industrial Engineering Department, 04/2018- Date
- Northern Border University, General Director of Scholarship and Training Administration, 01/2019 - Date
- Northern Border University, Vice Dean - Deanship of Graduate Studies, 10/2017-10/2023
- Northern Border University, Assistant Vice President for Graduate Studies and Scientific Research for Scholarship and Training Affairs , 10/2020- 09/2022
- Northern Border University, Consultant Vice President for Graduate Studies and Scientific Research for Scholarship and Training Affairs, 09/2022- 09/2024
- Northern Border University, Member of Standing Committee for Scholarships and Training, 10/2017- Date
- Member of Workshops and Keynote Speakers' Committee, First GCC Engineering Symposium, Kuwait University, 2023
- Publication Chair, Second Conference of Industrial and Systems Engineering, Umm Al-Qura University, October 03- 04, 2020
- Publication Chair, First Conference of Industrial and Systems Engineering, , King Abdulaziz University, January 19- 20, 2019
- Reviewer for Refereed Journals :
 - Journal of Manufacturing Processes
 - The International Journal of Advanced Manufacturing Technology
 - International Journal of Industrial Engineering: Theory, Applications and Practice
 - Engineering, Technology and Applied Science Research
 - Journal of Umm Al-Qura University for Engineering and Architecture

9. Briefly list the most important publications and presentations

- Masmali, M., "Resilient Operator-Robot Collaboration in Smart Flexible Manufacturing Systems", International Journal of Industrial Engineering: Theory, Applications and Practice, Vol. 31, no.4, pp. 907–922, 2024, doi.org/10.23055/ijietap.2024.31.4.9545
- Touti, E., Masmali, M., Fterich, M. and Chouikhi, H., "Experimental and numerical study of the PVT design impact on the electrical and thermal performances", Case Studies in Thermal Engineering, Vol. 43, pp. 102732., 2023, doi.org/10.1016/j.csite.2023.102732
- Masmali, M., "Implementation of Lean Manufacturing in a Cement Industry", Engineering, Technology and Applied Science Research, Vol. 11, no.3, pp. 7069–7074, 2021, doi.org/10.48084/etasr.4087
- Masmali, M., and Mathew, P., "Application of a variable flow stress machining theory to helical end milling", Machining Science and Technology, Vol. 22, no.1, pp. 1–29, 2018, doi.org/10.1080/10910344.2017.1336182
- Masmali, M., and Mathew, P., "An analytical approach for machining thin-walled workpiece", Procida CIRP , Vol 58, pp. 187-192, 2017, doi.org/10.1016/j.procir.2017.03.186
- Masmali, M., and Mathew, P., "Geometric Chip Analysis in Helical End Milling Based on a Variable Flow Stress Machining Theory", In: Proceedings of the 6th International Conference on Industrial Engineering and Operations Management, Kuala Lumpur, Malaysia, March 8 – 10, 2016, ISBN 978-0985-549-74-9

- Masmali, M., and Mathew, P., "Variable Flow Stress Machining Theory Applied to Predict Cutting Forces in End Milling with a Variable Helix Angle End Mills", In: Proceedings of the 1st International Conference on Industrial, Systems and Manufacturing Engineering, Amman, Jordan, November 11 – 12, 2014, ISBN 978-9957-469-03-0
- Masmali, M., Li, H.Z., and Mathew, P., "Correlation of Vibration and Cutting Forces in Thin-Walled of Materials", In: Proceedings of the 7th Australasian Congress on Applied Mechanics, Adelaide, Australia, December 9 – 12, 2012, ISBN978-1922-107-61-9

10. Briefly list the most recent professional development activities

- Principal researcher in funded research project number FFR-2024-2976-01, Deanship of Scientific Research, Northern Border University, 2024
- Principal researcher in funded research project number ENGA - 2023-12- 2030, Deanship of Scientific Research, Northern Border University, 2023
- Principal researcher in funded research project number ENG - 2017-1-7- F-7137, Deanship of Scientific Research, Northern Border University, 2017
- Introduction to Manufacturing and the Environment, The Saudi Council of Engineers, October, 04-06, 2020
- Safety and Health Principles, The Saudi Council of Engineers, October, 10-15, 2023
- Designing Academic Programs, The Education and Training Evaluation Commission, May 21-22, 2024
- Key Performance Indicators and Benchmarking in Academic Institutions and Programs, , The Education and Training Evaluation Commission, July 21-22, 2024
- Training Quality Practitioner, The Education and Training Evaluation Commission, August 04-07, 2024
- Course Description and Field Experience, The Education and Training Evaluation Commission, August 27-28, 2024
- Quality Assurance in Academic Institutions and Programs, The Education and Training Evaluation Commission, October 29-30, 2024