

Prof. Dr. Khalid A. A. AL-Ghamdi*Professor, Department of Industrial Engineering, King Abdulaziz University***Education**

| <i>Degree</i> | <i>Field of Study</i> | <i>Institution</i> | <i>Year</i> |
|---------------|------------------------|---------------------------|-------------|
| PhD | Industrial Engineering | University of Birmingham | 2011 |
| MS | Industrial Engineering | University of Birmingham | 2006 |
| BS | Industrial Engineering | King Abdulaziz University | 2000 |

Academic Experience

| <i>From</i> | <i>To</i> | <i>Institution</i> | <i>Rank</i> | <i>Title (Chair, Coordinator, etc.)</i> | <i>Full or Part Time</i> |
|-------------|-----------|---------------------------|--------------------------|---|--------------------------|
| 2002 | 2004 | King Abdulaziz University | Graduate Assistant | | Full |
| 2006 | 2010 | University of Birmingham | Researcher | | Full |
| 2011 | 2016 | King Abdulaziz University | Assistant Professor | | Full |
| 2011 | Present | University of Birmingham | Honorary Research Fellow | | Part Time |
| 2016 | 2020 | King Abdulaziz University | Associate Professor | | Full |
| 2020 | | King Abdulaziz University | Professor | | Part Time |

Non Academic Industrial Experience *(including Consultations)*

| <i>From</i> | <i>To</i> | <i>Company/Entity</i> | <i>Title</i> | <i>Position Description (Brief)</i> | <i>Full or Part Time</i> |
|-------------|-----------|-------------------------------------|---|-------------------------------------|--------------------------|
| 2018 | Present | Ministry of Information | Deputy Minister of Information | | Full |
| 2016 | 2017 | Saudi Research & Consulting Company | Consultant & Head of Quality Management Dep | | Full |
| 2014 | 2016 | Jeddah Valley Technical Company | Deputy CEO | | Full |
| 2014 | 2015 | Saudi Ministry of Education | Consultant | | Part Time |

Funded Research Projects and Patents from the Past Five Years

1. Revisit of force-parameter relationship employing RS method and a shape with corners. a research funded by King Abdulaziz University
2. "Force variations with defects and force-based strategy to control defects in incremental forming" a research funded by King Abdulaziz University
3. "Investigating the Gap between What is Practiced and What is Taught in an Industrial Engineering Program" a research funded by Saudi Ministry of Labor

Certifications and Professional Registrations

1. Certified Assessor of the EFQM Business Excellence Model
2. Certified Project Management Professional
3. Certified Six Sigma Black Belt
4. Certified Six Sigma Green Belt
5. Certified in Self-Assessment for Business Excellence

Current Membership in Professional Societies and Organizations

| | <i>Society/organization</i> | <i>Rank</i> | <i>Member Since</i> |
|----|--------------------------------------|-------------|---------------------|
| 1. | American Society for Quality (ASQ) | Member | 2008 |
| 2. | Saudi Arabian Quality Council (SAQC) | Member | 2001 |
| 3. | Institution of Industrial Engineers | Member | 2012 |

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|---|---|--------------|------|
| 4. | IEEE professional association | Member | 2012 |
| 5. | Saudi Institution of Industrial Engineers | Board Member | 2016 |
| Honours and Awards | | | |
| 1. | Honorary Research Fellow, University of Birmingham, UK | | |
| 2. | Winner of the Scholarship for Post-Doctorial Summer Research Programme-British Council (2015) | | |
| 3. | Winner of the Scholarship for Post-Doctorial Summer Research Programme-British Council (2013) | | |
| 4. | Prize of Excellence (2009), Saudi Cultural Burea in the United Kingdom and Ireland | | |
| 5. | Prize of Excellence (2008), Saudi Cultural Burea in the United Kingdom and Ireland | | |
| 6. | Prize of Excellence (2007), Saudi Cultural Burea in the United Kingdom and Ireland | | |
| Institutional and Professional Services (<i>administration, committees, units, etc.</i>) | | | |
| 1. | Member of the team in charge of the development of the third strategic plan for KAU | | |
| 2. | Head of Research & Development Committee, Industrial Engineering Department, KAU | | |
| 3. | Member of Senior Projects Committee, Industrial Engineering Department, KAU | | |
| 4. | Member of PhD Program Committee, Department of Industrial Engineering, KAU | | |
| 5. | Member of Curriculum Development Committee, Industrial Engineering Department, KAU | | |
| Principal Publications/Presentations from the Past Five Years | | | |
| 1. | Khan, I., Hussain, G., Al-Ghamdi, K. A., & Umer, R. (2019). Investigation of Impact Strength and Hardness of UHMW Polyethylene Composites Reinforced with Nano-Hydroxyapatite Particles Fabricated by Friction Stir Processing. <i>Polymers</i> , 11(6), 104 | | |
| 2. | Al-Ghamdi, K. A., & Hussain, G. (2019). Bulging in incremental sheet forming of cold bonded multi-layered Cu clad sheet: Influence of forming conditions and bending. <i>Transactions of Nonferrous Metals Society of China</i> , 29(1), 112-122 | | |
| 3. | Al-Ghamdi, K. A. (2019). Sustainable FDM additive manufacturing of ABS components with emphasis on energy minimized and time efficient lightweight construction. <i>International Journal of Lightweight Materials and Manufacture</i> | | |
| 4. | Al-Ghamdi, K. A. (2019). The cause-effect statistical analysis of the post-forming strength of a thermoplastic sheet. <i>International Journal of Lightweight Materials and Manufacture</i> | | |
| 5. | Al-Ghamdi, K. A., & Hussain, G. (2019). On the Free-Surface Roughness in Incremental Forming of a Sheet Metal: A Study from the Perspective of ISF Strain, Surface Morphology, Post-Forming Properties, and Process Conditions. <i>Metals</i> , 9(5), 553 | | |
| 6. | Al-Ghamdi, K. A. (2018). Spring back analysis in incremental forming of polypropylene sheet: An experimental study. <i>Journal of Mechanical Science and Technology</i> , 32(10), 4859-4869 | | |
| 7. | Iqbal, A., & Al-Ghamdi, K. A. (2018). Energy-efficient cellular manufacturing system: Eco-friendly revamping of machine shop configuration. <i>Energy</i> , 163, 863-872 | | |
| 8. | Iqbal, A., Biermann, D., Abbas, H., Al-Ghamdi, K. A., & Metzger, M. (2018). Machining β -titanium alloy under carbon dioxide snow and micro-lubrication: a study on tool deflection, energy consumption, and tool damage. <i>The International Journal of Advanced Manufacturing Technology</i> , 97(9-12), 4195-4208 | | |
| Recent Professional Development Activities (<i>Workshops, training, etc.</i>) | | | |
| 1. | Completing a training course in Improving the Quality of the Engineering Education Quality, July 2012, Cardiff, United Kingdom. | | |
| 2. | Participate in a series of Benchmarking Visits to four British Engineering Schools coordinated by the British council, July, 2012. | | |
| 3. | Completed a training course in Research Leadership – provided by the Academic Leadership Centre at the Saudi Higher Education Ministry, July, 2013 | | |
| 4. | Completed a training course in “Leadership in Public Sector” Provided by Institute of Public Administration, May 2015 | | |
| 5. | Completed a training course in “Advanced Strategic Planning ” Provided by the training team of Vision 2030 Program, February 2016 | | |
| 6. | CIRP (College International pour la Recherche en Productique) winter meeting, Paris, France, Feb 2017 | | |
| 7. | CIRP winter meeting, San Diego, France, Feb 2019 | | |