DR. Ghassan Hassan Mousa
Assistant Professor, Department of Mechanical Engineering, King Abdulaziz University

Education

Degree	*Field of Study*	*Institution*	*Year*
PhD	Mechanical Engineering	Simon Fraser University, Canada	2014
MS	Mechanical Engineering	University British Colombia, Canada	2007
BS	Mechanical Engineering	King Abdulaziz University	2000

Academic Experience

From	*To*	*Institution*	*Rank*	*Title (Chair, Coordinator, etc.)*	*Full or Part Time*
2002	2003	King Abdulaziz University	TA		Full
2014	Present	King Abdulaziz University	Assist. Prof.		Full

Non Academic Industrial Experience (including Consultations)

From	*To*	*Company/Entity*	*Title*	*Position Description (Brief)*	*Full or Part Time*
2000	2001	*Saudi Air Conditioning Manufacturing Co.*	Product coordinator	I was responsible for the engineering drawings and items list of the window type unit. And remodeling a window type unit, which resulted in about 40% reduction in number of parts.	Full
2001	2002	Saudi Aramco	Inspector engineer	My role in the company was Monitor the inspection of helical seal pipes, conduct coating, pressure vessels, steel structure and fasteners.	Full

2018	2019	Saudi Cables Company	Consultation	Design of a palletizing unit that replaces the manual packaging.	Part time

Honors and Awards

Prize of the Second honor student in BS degree.

Institutional and Professional Services

1. Director of Industrial Automation Laborites at KAU.
2. Vise director of center of excellence of production and design at KAU.
3. Director of the knowledge gardens at KAU.
4. Supervisor of the cultural committee at the College of Engineering, KAU.

Scientific & Professional Societies of which a Member

Principal Publications/Presentations from the Past Five Years

1. G Mousa, F Golnaraghi, J DeVaal, A Young, "Detecting proton exchange membrane fuel cell hydrogen leak using electrochemical impedance spectroscopy method", *Journal of Power Sources*, 2014
2. G Mousa, J DeVaal, F Golnaraghi, "Diagnosis of hydrogen crossover and emission in proton exchange membrane fuel cells", *International Journal of Hydrogen Energy*, 2014
3. GH Mousa, JW De Vaal, F Golnaraghi**.** "Use of neural network and EIS signal analysis to quantify H2 crossover in-situ in operating PEM cells" - *US Patent App*. 15/240,944, 2017