

FAISAL SAMAD LODI
Lecturer – Industrial and Mechanical Engineering
College of Engineering
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Tel: +966 11 215 7765 (W); +966 5403 48911 (M)
Nationality - Australian

Education

- Master of Engineering Science by Research (Mechanical and Manufacturing Engineering)
The University of Melbourne, Melbourne, Australia - 2008
Thesis Location: <http://repository.unimelb.edu.au/10187/3601>
- Bachelor of Engineering Science (Mechanical Engineering), Aligarh Muslim University, India - 1998

Professional Experience

- March 2012 – Till date – Lecturer – Alfaisal University, Riyadh, Saudi Arabia.
- March 2010 – Feb 2012 – Quality Engineer - Trimas Corporation Pty Ltd., Australia.
- March 2008 – March 2010 – Design and Development Engineer – Trimas Corporation Pty Ltd., Australia.
- March 2007 – March 2008 – Design and Development Engineer – Air Radiators Pty Ltd., Australia.
- March 2004 –Feb 2007 – Research Engineer - University of Melbourne, Melbourne, Australia.

Scholarship and Awards

- Awarded Australian Research Council (ARC) Ford Linkage Scholarship to pursue a Master's by Research Degree from The University of Melbourne, Australia.

Research Publications

- Experimental and Numerical analysis of Engine gas exchange, combustion and heat transfer during warm up – SAE World Automotive conference – Shanghai, China - June 2008.
- Reducing Cold Start fuel consumption through improved thermal management – APAC15, World Automotive conference – Hanoi, Vietnam – Oct 2009.

Research Interest

- Automotive engine development, fuel consumption and emissions reduction, liquid - metal heat transfer, analytical and conduction heat transfer, design of heat exchangers.

Short Courses / Training

- 2011** Certified Internal Auditor TS16949-2009 from EQIS Pty Ltd Australia.
- 2009** Material and Information flowchart (Value stream mapping), Full day training course provided by and conducted at Toyota Australia.
- 2010** Jidoka and Problem solving, Full day training course provided by and conducted at Toyota Australia.
- 2005** Intelligent Vehicles and Road Infrastructure Course (2-day course held in Melbourne, Australia), Society of Automotive Engineers (Australasia).
- 2005** Ethanol in Victoria Fuels Forum (Full-day course), Society of Automotive Engineers Australasia.
- 2005** Road Transport Engine Emissions Course (3-day course), Society of Automotive Engineers Australasia.
- 2004** Automotive Skills Summit (Full-day course), Society of Automotive Engineers Australasia.
- 2004** Fire Awareness and Extinguisher Training TRGL30421 conducted at BP Australia by Wormald Training Department, Australia.
- 2005** Member of the Society of Automotive Engineers, Australasia (SAE-A).

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Teaching - Undergraduate Courses (Alfaisal University)

- IE304 – Production and Service Systems Planning – I.
- IE406 – Quality Engineering.
- ME315 – Machine Design.
- ME305 – Manufacturing and Workshop Training.
- ME 205 - Introduction to CAD.
- ME 416 – Automotive Engineering.