Curriculum vitae

Full name: Ihsan Ali Mustafa Al-Samarrai

Place and date of birth: Baghdad, 23rd August 1970

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Post: PhD holder, Lecturer in the College of Engineering, University of Samarra

Education:

1. B.Sc. In Mechanical Engineering, Al-Nahrain University, Baghdad, 1988 – 1992,ranked 3rd among 19 students
2. M.Sc. In Mechanical Engineering, Al-Nahrain University, Baghdad, 2008
3. Ph.D. In Mechanical Engineering, University of Bath, United Kingdom, 2018 (One of the top six universities in the UK according to the Guardians Press in 2018)

General specialisation: Mechanical Engineering and Design; Applied Mechanics

Specific specialisation: Advanced manufacturing processes; Hybrid /Cryogenic –Minimum Quantity Lubrication machining of titanium super alloys

Experiences:

- Designer, producer and executive manager of two automotive piston factories in the Industrial zone Baghdad for 15 years , from 1995 to 2010
- Teaching " Strength of Materials" from 2009 to 2011
- Teaching " Mechanical Engineering Design" from 2011 to 2013
- Teaching" Engineering Mechanics" from 2018 till now
- Publically and culturally engaged with British and European people for 5 years

Skills:

1. Fluently speaking English with thorough comprehension of other academic English skills (Reading, Writing and Listening
2. Effectively use Microsoft Office (Word, Excel, and Power Point)
3. Skilful in using CAD (Computer-Aided- Design) Modelling, Ansys ® Modelling for Mechanical Systems and statistical analysis packages such as Minitab ®.
4. Effectively use E-learning packages such as Moodle®, Google Classroom and Edomdo.
5. Experienced generally in design and manufacturing
6. Experienced in CNC milling operation, especially in cryogenic machining of Ti-6Al-4V titanium super alloy that is extensively used in aerospace applications.

Published articles:

1. Hybrid cryogenic MQL for improving tool life in machining of Ti-6Al-4V titanium alloy
2. Hybrid Cooling/lubricating Strategies for Machining Ti-6Al-4V in CNC End Milling
3. Hybrid cryogenic MQL high speed machining of Ti-6Al-4V alloy

Languages:

1. Arabic
2. English