

PERSONAL DATA

Name: Dr. Hazim Esmaeel Radhi

Rank : Leccturer.

Status : Married

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Education

Degree	Specialization	Name of institute	Date
Ph D.	Mechanical Eng	University of Huddersfield (UK)	2009-2014
M. Sc.	Mechanical Eng	University of Baghdad -Iraq	1992-1995
D.E.A	Mechanical Eng	I.N.P.L France	1988-1990
B. Sc.	Mechanical Eng	Military Technical college (Iraq)	1982-1986

Experiences:

1-Worked at development and research center 1986-1988 as mechanical engineer .

2- Worked 1988-1994 in Al milad company as director of mechanical industries.

3- In 1990 -1991 worked in project of rebuilding Baij oil Refinery and Rebuilding Kur –Alzubair gas stone station project .

4- Worked in 2003 in Engineering office Thi –qar university .

5- University lecturer in mechanical Engineering Department in university of Thi-qar .

6- Head of department of mechanical engineering-Engineering college from (2003-2007).

7- Professional in welding and structures , heat treatment .

8- Professional in windows application .

.9-Experience in analysis of structure by using finite element code (ANSYS, Abaqus, MSC Nastran, SAP). and optimisation software

10-Worked as research engineering in the field of comportment of metal at high temperature.

Published Researches:

- 1) **H. E. Radhi**, et al., "Numerical prediction of laminar duct flow," Journal of the University of Thi-Qar, 2005.
- 2) **H. E. Radhi**, et al., "Theoretical Study for Plate with Holes Under Distributed Load Using Finite Element Method," Journal of the University of Thi-Qar, Vol. 2, No. 3, 2006.
- 3) **H. E. Radhi**, and Simon Barrans, "Finite Element Analysis of Effect of Weld Toe Radius and Plate Thickness on Fatigue Life of Butt Welded Joint," Computing and Engineering Annual Researchers' Conference 2010: CEARC'10. University of Huddersfield, Huddersfield, pp. 60-64. ISBN 9781862180932
- 4) **H. E. Radhi**, and Simon Barrans , "Comparison between Multi-objective Population-Based Algorithms in Mechanical Problem ," International Conference on Mechanical and Aerospace Engineering (ICMAE 2011), held in Bangkok, Thailand.
- 5) **H. E. Radhi**, and Simon Barrans, " Comparison between Multi-objective Population-Based Algorithms in Mechanical Problem ," Applied Mechanics and Materials Vol. 110-116 ,2012) pp 2383-2389.
- 6) **H. E. Radhi**, and Simon Barrans., " Comparison between multi-objective optimization algorithms", Queen's Diamond Jubilee Computing and Engineering Annual Researchers' Conference 2012: CEARC'12. University of Huddersfield, Huddersfield, pp. 129-135.
- 7) **H. E. Radhi**, and Simon Barrans., " Comparison between multi-objective optimization algorithms ", Poster in The Queen's Diamond Jubilee Computing and Engineering Annual Researchers' Conference 2012: CEARC'12. University of Huddersfield, Huddersfield. ISBN 978-1-86218-106-9.
- 8) **H. E. Radhi**, and Simon Barrans., " Diversity metric assessment for multi-objective optimization" , Computing and Engineering Annual Researchers' Conference 2013: CEARC'13. University of Huddersfield, Huddersfield, pp. 171-175. ISBN 9781862181212.
- 9) **H. E. Radhi**, and Simon Barrans., " Determining a Robust, Pareto Optimal Geometry for a Welded Joint", 5th International Conference on Mechanical and Aerospace Engineering (ICMAE 2014) held in Madrid Spain.
- 10) **H. E. Radhi**, and Simon Barrans., " Determining a Robust, Pareto Optimal Geometry for a Welded Joint", 2014, Advanced Materials Research, 1016. pp. 39-43. ISSN 1662-8985.

11) **H. E. Radhi**, and Hayder Abdul Hasan., " Variation of weld profiles and their influence on fatigue strength", 2015, Thi-Qar university journal for engineering science.

12) **H. E. Radhi**, et al., " Multi-Objective Optimization in Turning of Aluminum.", 2015, First Conference for Engineering Sciences and Technology Thi-Qar university College of Engineering.

13) **H. E. Radhi**, et al., " Comparative Study of Particle Swarm Optimization and Genetic Algorithm applied for Noisy Non-Linear optimisation Problems ",2016, Accepted at Int. Journal of Intelligent System.

Courses Attended:

- i- Teaching assistant course at Huddersfield university 2012.
- ii- Muto-objective optimization software (modeFRONTIER) at Coventry university 2013
- iii- Finite element analysis with ansys at Leeds University
- iv- Finite element analysis with Abaqus at Huddersfield University