

CURRICULUM VITAE

Personal Information

Full Name : Khalaf Ibrahim Hamada
Gender : Male
Date and place of Birth : 01-01-1981 Kirkuk/Iraq
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Academic & Professional Information

University : University of Tikrit
College : College of Engineering
Department : Mechanical Engineering

Academic Qualifications (Certificates)

Qualification	Major	Institution	Country	Grade	Date Obtained
Ph. D.	Mechanical Engineering	Universiti Malaysia Paha	Malaysia	Very good	2012
MSc.	Mechanical Engineering	University of Tikrit	Iraq	Very good	2006
BSc.	Mechanical Engineering	University of Tikrit	Iraq	Very good	2003

Academic Position

Position	Date Obtained
Assistant Professor	2015/7/27
Lecture	2009/3/13
Assistant Lecture	2006/3/13

Course Taught

Undergraduate	Postgraduate
Fluid Mechanics	Advanced Internal Combustion Engines
Internal Combustion Engines	Fuel and Energy Conversion
Gas Dynamic	Advanced Fluid Mechanics
Heat Transfer	
Numerical Analysis	
Descriptive Geometry	

Publications

Published research / Article	Journal	Published Date
Hybrid CFD-ANN Scheme for Air Flow and Heat Transfer Across In-Line Flat Tubes Array	Tikrit Journal of Engineering Sciences	2018
Numerical investigation of in-cylinder flow characteristics of hydrogen-fueled internal combustion engine	Journal of Mechanical Engineering and Sciences, UMP	2016
An Experimental Study for the Performance and Emissions of a Small Four-Stroke SI Engine for Modern Motorcycle	International Journal of Automotive and Mechanical Engineering, UMP	2014

Development of a Test-Rig for a Modern Motorcycle Engine	International Journal of Automotive and Mechanical Engineering, UMP	2014
Parametric study of instantaneous heat transfer based on multidimensional model in direct injection hydrogen-fueled engine	International Journal of Hydrogen Energy, Elsevier	2013
Characterization of the time-averaged overall heat transfer in a direct-injection hydrogen-fueled engine	International Journal of Hydrogen Energy, Elsevier	2013
Effect of mixture strength and injection timing on combustion characteristics of a direct injection hydrogen-fueled engine	International Journal of Hydrogen Energy, Elsevier	2013
Influence of engine speed and mixture strength on instantaneous heat transfer for direct injection hydrogen fuelled engine	Energy Education Science and Technology Part A: Energy Science and Research	2013
Time-averaged heat transfer correlation for direct injection hydrogen fueled engine	International Journal of Hydrogen Energy, Elsevier	2012
Development of a computational fluid dynamic model for direct injection hydrogen fueled engine	International Review of Mechanical Engineering	2012
Multidimensional computational modeling of direct injection for hydrogen fueled engine	Advanced Science Letters	2012
Heat transfer analysis inside exhaust port for a hydrogen fueled port injection engine	Advanced Science Letters	2012
Cycle analysis of in-cylinder heat transfer characteristics for hydrogen fueled engine	Scientific Research and Essays	2012
Heat transfer of intake port for hydrogen fueled port injection engine: A steady state approach	International Journal of the Physical Sciences	2011
Heat transfer characteristics in exhaust port for hydrogen fueled port injection engine: a transient approach	Advanced Materials Research	2011
Heat transfer characteristics of intake port for spark ignition engine: A comparative study	Journal of Applied Sciences	2010
In-cylinder heat transfer characteristics of hydrogen fuelled engine: a steady state approach	American Journal of Environmental Sciences	2010
Transient in-cylinder gas flow characteristics of single cylinder port injection hydrogen fuelled engine	American Journal of Applied Sciences	2010

Numerical Validation on the Performance of a Two-Dimensional Curved Diffuser	Tikrit Journal of Engineering Sciences	2009
Numerical Study of Non-Darcian Natural Convection Heat Transfer In A Rectangular Enclosure Filled With Porous Medium Saturated With Viscous Fluid	Tikrit Journal of Engineering Sciences	2008
Experimental Study of Natural Convection Heat Transfer through Cavity Between Eccentric Horizontal Cylinders	Tikrit Journal of Engineering Sciences	2007

Academic Conference Attended

Conference Title	Nature of Presence	Conference Date	Conference Place
3 rd Conference for Engineering	Participant/ Presenter	11-12 Dec. 2012	University of Tikrit, Iraq
International Conference on Applications and Design in Mechanical Engineering (ICADME 2012)	Participant/ Presenter	27-28 Feb. 2012	Penang, Malaysia
Regional Conference on Automotive Research (ReCAR) 2011	Participant/ Presenter	14 – 15 Dec. 2011	Kuala Lumpur, Malaysia
First International Conference on Mechanical Engineering Research (ICMER2011)	Participant/ Presenter	5-7 Dec. 2011	Kuantan, Malaysia
Third International Conference on Mechanical and Electrical Technology. (ICMET2011)	Participant/ Presenter	26-27 August 2011	Dalian, China
National Conference in Mechanical Engineering Research and Postgraduate Studies	Participant/ Presenter	3-4 Dec. 2010	UMP Pekan, Kantan, Pahang, Malaysia
International Conference on Mechanical and Electrical Technology (ICMET 2010)	Participant/ Presenter	10-12 Sept. 2010	Singapore
Proceedings of MUCET2010	Participant/ Presenter	28~30 June 2010	Melaka, Malaysia.
Eighth International Conference on	Participant/ Presenter	26-28 Dec. 2009	Dhaka, Bangladesh

Mechanical Engineering (ICME) 2009			
<i>International Advanced of Technology Congress (ATCi)</i>	Participant/ Presenter	3-5 Nov. 2009	PWTC, Malaysia
Proceedings of MUCET2009	Participant/ Presenter	20~22 June 2009	Kuantan, Malaysia
Sixth Scientific Conference of Engineering	Participant/ Presenter	5~7 April 2009	University of Baghdad, Iraq

Symposia

Symposium Title	Nature of Presence	Symposium Date	Held Place
How to write and publish a paper for the international journal: a top level	Participant/ Instructor	21 Feb2016	College of Engineering / Tikrit University
The optimum utilization of the most effective tool for research management (EndNote)	Participant/ Instructor	28 March 2016	College of Engineering / Tikrit University
Training for Installation, Operation, Testing and Performance Evaluation of Internal Combustion Engine	Participant/ Trainee	15-18 2014 May	Edu-Tek Equipment PVT. LTD, India
Training: Introduction to ANSYS FLUENT 12.0	Participant/ Trainee	5~7 Feb 2010	UMP, Pekan, Pahang, Malaysia
Seminar about Renewable Fuel Technology	Participant/ Trainee	14 Feb 2009	UTP, Ipoh, Perak, Malaysia
Training for Dynamometer Operation and Engine Testing	Participant/ Trainee	20 Jan 2009	UMP, Gambang, Pahang, Malaysia

Administrative Posts

Major	Institution	Date held
Department Coordinator	College of Engineering/ Tikrit University	15/9/2013 till now

