

DITERIMA

27 DEC 2011

AKADEMI SAINS MALAYSIA

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## INTRODUCTION

Name : PROFESSOR Ir. Dr. MOHD JAILANI BIN MOHD NOR  
Identification card no. : 620817-10-6297 (6884313)  
Date/ Place of Birth : 17<sup>th</sup> August, 1962 / Bangi, Selangor  
  
Current Post : Professor / Director  
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## FIELD OF EXPERTISE

**Mechanical Engineering:** Acoustics and Vibration;  
Machine Condition Monitoring;

**H-Index:** 5 (9<sup>th</sup> August 2011)  
**Citations:** 195

## ACADEMIC QUALIFICATION

Sheffield Hallam University, U.K.	Ph. D.	1993 - 1996
Oklahoma State University, USA	Msc. Mech. Eng.	1986 - 1988
Technical Teaching College, K. Lumpur.	Cert. of Education	1985
Oklahoma State University, USA	B. Sc. Mech. Eng.	1980 - 1984
Kajang High School	M.C.E	1978 - 1979
Sek. Men. Engku Hussain, Semenyih	L.C.E.	1975 - 1977

## PROFESSIONAL AFFILIATIONS

P. Eng., Board of Engineers Malaysia	13114
Member, Board of Engineers Malaysia	12423A
Member, International Institute of Acoustics & Vibration (IIAV)	955
Member, Malaysian Society for Non-Destructive Testing	102/90
Registered Consultant, Department of Environment, Malaysia	SS 0551 1 00207
President, Protem Committee, Society for Vibration and Acoustics Malaysia (SVAM).	

## WORK EXPERIENCE

<i>Deputy Vice Chancellor</i>	Universiti Teknikal Melaka (UTeM)	1 <sup>st</sup> January 2011
<i>Director:</i>	Excellence Planning Division IHE Department of Higher Education, Ministry of Higher Education Malaysia.	1 <sup>st</sup> January 2009 - 31 <sup>st</sup> Dec 2011.
<i>Board of Director:</i>	UMS-Link Sdn Bhd, Universiti Malaysia Sabah (UMS).	2009 - present
<i>Board of Director:</i>	K-UTech Sdn Bhd., UTHM	2010 - present
<i>Board of Director:</i>	Universiti Tun Hussein Onn Malaysia (UTHM)	2009 - present
<i>Deputy Director:</i>	Centre For Research and Innovation Management, UKM	1 <sup>st</sup> March 2007 - Dec 2008
<i>Professor:</i>	Department of Mechanical and Materials Engineering, Faculty of Engineering, UKM	25 <sup>th</sup> August 2005 - present
<i>Deputy Dean: (Academic)</i>	Faculty of Engineering & Built Environment, UKM	1 <sup>st</sup> June 2003 - 31 <sup>st</sup> March 2007.
<i>Head of Department:</i>	Department of Mechanical and Materials Engineering, Faculty of Engineering, UKM	1 <sup>st</sup> April 1999 - May 2003
<i>Lecturer:</i>	Department of Mechanical and Materials Engineering, Faculty of Engineering, UKM	2 <sup>nd</sup> June 1988

## AWARDS (SELECTED)

- i. ***Special Quality Award*** 11<sup>th</sup> October 2002  
Best Lab Management Award (Group Category)  
Universiti Kebangsaan Malaysia  
10th Quality Award Ceremony
- ii. ***Excellent Service Award*** 23<sup>rd</sup> October 2003  
Universiti Kebangsaan Malaysia  
11th Quality Award Ceremony
- iii. ***Gold medal***, Seoul International Invention Fair 2004, SIIF 10 – 14<sup>th</sup> December 2004  
2004, Coex, Seoul, Korea.  
Product: *Driver's Drowsiness Detection and Interactive Warning System*
- iv. ***Bronze medal***, 33rd International Exhibition of Inventions, 6 – 10<sup>th</sup> April 2005.  
Geneva, Switzerland.  
Product: *Intelligent Heart Monitoring System*
- v. ***Special Quality Award*** 28<sup>th</sup> November 2005  
Quality Culture Award (Academic Staff)  
Universiti Kebangsaan Malaysia  
13<sup>th</sup> Quality Award Ceremony
- vi. ***Silver medal***, *Innovative Acoustic Absorption Panel Design Using Natural Fibre*, International Exposition of Research and Inventions of Institution of Higher Learning 2007, PECIPTA07, K. Lumpur. 12<sup>th</sup> August 2007
- vii. ***Gold medal***, *Innovative Acoustic Absorption Panel Design Using Natural Fibre*, Internationale Fachmesse >>Ideen-Erfindungen-Neuheiten<<, Nurnberg, Germany. 3<sup>rd</sup> November 2007.

## TEACHING

KM 2052 Applied Mechanics II KM 2062 Engineering Control I KM2343 Dynamics KF2223 Ethics: Technology and Civilisation	KM 2082 Strength of Materials KM 2222 Machine Design KM2933 Machine Component Design KM2443 Strength of Materials
KM 3072 Applied Mechanics III KM 3212 Complex Engineering Design KM 3232 Advanced Laboratory	KM4342 Advanced Dynamics KM4343 Mechanical Vibrations KM4353 Acoustics
LS6403 Environmental Pollution Control	KJ6043 Advanced Instrumentation

## STUDENT SUPERVISION

Undergraduate:	Masters Degree	PhD Students
<b>48</b> Undergraduate student projects.	<b>13</b> Masters students supervised and completed.	<b>9</b> PhD students supervised and completed.

## PUBLICATIONS

**Books:** Written and edited more than fifteen (**15**) books.

**Journals:** Published more than Sixty (**60**) journal papers.

**Keynote and Invited Papers:** Presented more than eighteen (**18**) keynote and invited papers.

**Conferences:** Published and presented about one hundred and ninety (**190**) conference papers.

### Technical Reports Articles in Popular Publications:

Written more than twenty (**20**) technical reports and articles in popular publications.

## INTELLECTUAL PROPERTIES

### Trade Mark Registration:

1. Interactive online driver drowsiness detection and Early Warning System (**IDEST<sup>TM</sup>**)  
Trademark Registration applied for Class 16 & Class 42.
2. Automotive Simulator for Drivers behaviour anthropotechnic Study (**ASIS<sup>TM</sup>**)  
Trademark Registration applied for Class 16 & Class 42.
3. Intelligent Heart Condition Monitoring System (**i-Heartz<sup>TM</sup>**)  
Trademark Registration applied for Class 16 & Class 42.

## CONSULTANCIES

Conducted more than thirty (**30**) consultancy projects in sound and vibration field for industrial clients including Tenaga Nasional Berhad (**TNB**), Independent Power Provider (**IPP**), Putrajaya Holdings (**PJH**), Keretapi Tanah Melayu (**KTM**), Pusat Tenaga Malaysia (**PTM**), and Petroleum Nasional Berhad (**Petronas**).

## SELECTED R&D PROJECTS

1.	Title	: <i>Development and Production of Indigeneous Vibro-Acoustic Control Materials and Systems</i>
	Sponsor	: IRPA 09-02-02-0044 <b>(RM457,000.00)</b>
	Role	: Project Leader
	Duration	: 1999 - December 2002
2.	Title	: <i>Development of a Machine Faults Diagnostics System Using Air Borne Ultrasonic Signals</i>
	Sponsor	: IRPA 09-02-02-0056 <b>(RM253,000.00)</b>
	Role	: Project Leader
	Duration	: 1999 - December 2002
3.	Title	: <i>Development of Noise Absorption Structural Panels Using Coir Fibre/TPNR Composites</i>
	Sponsor	: IRPA 09-02-02-0101 <b>(RM123,002.00)</b>
	Rule	: Project Leader
	Duration	: 2000 - February 2003
4.	Title	: <i>Development of MEMS Instrumentation and Diagnostic Systems for Automotive Applications</i>
	Sponsor	: IRPA 03-02-02-0016-SR0003/07-02 <b>(RM3,885,720.00)</b>
	Role	: Project Leader
	Status	: Completed June 2007.
5.	Title	: <i>Penyelidikan Mengenai Pendidikan Berasaskan Hasil (PBH) di Fakulti Kejuruteraan, UKM</i>
	Sponsor	: KK005/2005 <b>(RM27,716.00)</b>
	Role	: Project Leader
	Status	: Completed June 2007.
6.	Title	: <i>Vibro-Acoustics Modeling, Prediction and Development of Control Systems for Road Transport</i>
	Sponsor	: 03-01-02-SF0081 <b>(RM55,998.00)</b>
	Role	: Project Leader
	Status	: Completed 2010.
7.	Title	: <i>Development of Active Sound Absorption Panel Using Agro-Based Organic Fibre</i>
	Sponsor	: 03-01-02-SF393 <b>(RM129,000.00)</b>
	Role	: Project Leader
	Status	: Completed 2010

## PRE-COMMERCIALISATION PROJECT

1.	Title:	<i>Development of Automotive Driving Simulator</i>
	Sponsor:	CRDF 3 <b>(RM500,000.00)</b>
	Role:	Principle Technical Investigator
	Industry Partner:	SVI Sdn Bhd
	Duration:	January 2010 - December 2011.