

ACADEMIC STAFF INFORMATION

- (a) Name of lecturer : Mazian Bt Mohammad
- (b) Position : 1) Lecturer (Mechanical Engineering Division)
2) Head of Programme, Postgraduate Studies FoE
- (c) Status in the IPTS : Full time
- (d) Citizenship : Malaysia
- (e) Academic qualification:

No.	Qualification	Field of Studies	IPT/Country	Graduation Date
1.	B.Eng (Hons.)	Mechanical Engineering	University Sains Malaysia, USM	2001
2.	M.Eng	Mechanical Engineering	Universiti Kebangsaan Malaysia	2007
3.	PhD	Mechanical Engineering (structural integrity & NDT)	Universiti Kebangsaan Malaysia	2016 (expected)

- (f) Work Experience:

No.	Names & Addresses of Employer	Position Held	Duration of Service
1.	Lub Dagangan Sdn Bhd, PJ, Malaysia	Technical Svs Engineer	Nov 2001 – August 2002
2.	Kolej Inpens, Shah Alam, Malaysia	Lecturer	August 2002-Nov 2004
3.	Universiti Selangor, BJ, Malaysia	Lecturer	Nov 2004 - present

(g) The information of research:

No	Title	Year	RM	Members	Financial Resources
1	(Ref: FRGS/2/2014/TK04/UNISE L/03/1) The elementary of organic pollutant's digestion by TiO ₂ /ZnO photocatalyst supported chitosan	01/01/2015 till 31/12/2017	5000.00	Leader : Mohd Azam Adnan Member : Mazian Mohammad	Unisel
2	(Ref: RAGS/1/2015/TK0/UITM/03/7) Fundamental study of the propagation and scattering of guided ultrasonic waves in aerospace composites with defects	01/12/2015 till 30/11/2017	52000.00	Leader : Dr Bibi Intan Suraya Murat (Uitm) Member : Dr Zuraidah Salleh (Uitm) Dr Ahmad Sufuan Abdullah (Uitm) Mazian Mohammad	MOSTI

(h) Information about the consultation given in 2011:

No.	Title	Year	Output	Financial Resources

(i) Information about publication

Title
<p>Journal</p>
<ol style="list-style-type: none"> 1) <i>M. Mohammad, S. Abdullah, N. Jamaludin, O. Innayatullah</i> : Predicting the fatigue life of the SAE 1045 steel using an empirical Weibull-based model associated to acoustic emission parameters, <i>Materials & Design (Q1 ISI, Scopus)</i>, Vol 54 (2014), pp 1039-1048. 2) <i>M.Mohammad, S.Abdullah, N.Jamaludin, O.Innayatullah</i> : Quantitative Relationship between Strain and Acoustic Emission Response in Monitoring Fatigue Damage, <i>Jurnal Teknologi (Sciences & Engineering)(Scopus)</i> 66:1 (2014), pp 43–47. 3) <i>M.Mohammad, S.Abdullah, N.Jamaludin, O.Innayatullah</i> : Life Prediction of SAE 1045 Carbon Steel Using the Acoustic Emission Parameter, <i>Applied Mechanics and Materials (Scopus)</i>, Vol 471 (2014) pp 329-334. 4) <i>M.Mohammad, S.Abdullah, N.Jamaludin, O.Innayatullah</i> : Fatigue Failure Assessment of Metallic Specimens Using the Acoustic Emission Technique, <i>Materials Testing (Q4 ISI, Scopus)</i> Vol 55 (2013) pp 310-318. 5) <i>M.Mohammad, S.Abdullah, N.Jamaludin, O.Innayatullah</i> : Acoustic Emission Evaluation of Fatigue Life Prediction for a Carbon Steel Specimen using Statistical-Based Approach , <i>Material Testing (Q4 ISI, Scopus)</i> Vol 55 (2013) pp 487-495. 6) <i>Mohammad, M.; Abdullah, S. ; Jamaludin, N. ; Innayatullah, O.</i>: Fatigue life prediction of the SAE 1045 medium carbon steel using the acoustic emission technique associated with Weibull distribution approach, <i>IEEE Xplore Digital Library</i>, 10.1109/TIME-E.2013.6611957 pp 23-27. 7) <i>M.Mohammad, S.Abdullah, N.Jamaludin, M.Z.Nuawi</i> : Correlating Strain and Acoustic Emission Signals of Metallic Component Using Global Signal Statistical Approach, <i>Advanced Materials Research (Scopus)</i> Vol. 445 (2012) pp 1064-1069. 8) <i>M.Mohammad, S.Abdullah, N.Jamaludin</i> : On The Need to Correlate Acoustic Emission and Fatigue Strain Signals Associated to Metallic Component Life Assessment, <i>International Journal of Mechanical and Materials Engineering (IJMME) (Scopus)</i>, Vol. 7 (2012), No. 1, 78–82. 9) <i>Altab Md. Hossain ; A.K.M. Parvez Iqbal ; Ataur Md. Rahman ; Muhidn Arifin ; M. Mazian</i> : Design and Development of a 1/3 Scale Vertical Axis Wind Turbine for Electrical Power Generation , <i>Journal of Urban and Environmental Engineering</i> (2009).

Conference

1. **M.Mohammad, S.Abdullah , N.Jamaluddin,O.Innayattullah** : OBSERVING THE FREQUENCY ANALYSIS OF ACOUSTIC EMISSION PATTERN DURING TENSILE TEST OF SAE 1045 STEEL, 2014 *International Journal of Fracture Fatigue and Wear :Conference Series proceedings, Volume 2, 2014 pp 75-79 Kitakyushu, Japan.*
2. **M.Mohammad, S.Abdullah , N.Jamaluddin,O.Innayattullah** : Fatigue life prediction of the SAE 1045 medium carbon steel using the acoustic emission technique associated with Weibull distribution approach, 2013 *International Conference on Technology, Informatics, Management, Engineering, and Environment (TIME-E), 23-26 June 2013, Bandung, Indonesia.*
3. **M.Mohammad, S.Abdullah , N.Jamaluddin,O.Innayattullah**: Life prediction using the Weibull Distribution in relation to acoustic emission parameters, *International Conference on Noise, Vibration and Comfort, 26-28 November 2012, Hotel Melia, Kuala Lumpur.*
4. **M.Mohammad, S.Abdullah , N.Jamaluddin,O.Innayattullah**: Predicting The Fatigue Life of Steel Specimen by AE Parameters, *International Conference on Engineering and Built Environment, 6-7 November 2012, Hotel Residen, Kajang, Selangor.*
5. **M.Mohammad, S.Abdullah , N.Jamaludin, O.Innayattullah** : Quantitative Relationship between Strain and Acoustic Emission Response in Monitoring Fatigue Damage, *International Material Technology Conference and Exhibition, 10-11 July 2012, Sunway Resort and Spa, Sunway, Malaysia.*
6. **M.Mohammad, S.Abdullah, N.Jamaludin** : Signal Statistical Approach of Acoustic Emission for Fatigue Failure in Metallic Component, *Regional Tribology Conference, 22-24 Nov 2011, Langkawi, Malaysia.*
7. **M.Mohammad, S.Abdullah, N.Jamaludin M.Z.Nuawi** : Correlating Strain and Acoustic Emission Signals of Metallic Component Using Global Signal Statistical Approach, *International Conference on Advances in Materials & Processing Technologies, 13-16 July 2011, Istanbul, Turkey.*
8. **Mazian Mohammad, Mohd Hanif Mat Saad, Othman Inayatullah, Bibi I. Suraya Murat, Fauziah Mat** : Monitoring the Fluid Flow Condition through Different Surface's of Pipe by Acoustic Emission Technique. *Regional Conference on Advances in Noise, Vibration and Comfort (NVC), 2007, pp 12-20. ISBN: 978-983-2982-17-3 , Nov 27-28, 2007, Putrajaya, Malaysia.*
9. **M. Fauziah, J. Nordin, I. Othman, M. Mazian, M. Bibi Intan Suraya.** Application of Acoustic Emission Technique to Monitoring the Lubrication Condition of Low Speed Bearing. *International Conference on Mechanical and Manufacturing Engineering (ICME), May 21-23, 2008, Johor Bahru, Malaysia.*

<p>10. <i>Othman Inayatullah, Mohd Jailani Mohd Nor, Nordin Jamaludin, Taib Iskandar Mohamad, Fadzlul Rahimi Ahmad Bustami, Fauziah Mat, Mazian Mohammad</i> : Monitoring the Lubrication Viscosity through Acoustic Emission Technique – Sensor Position's Implication. <i>Regional Conference on Advances in Noise, Vibration and Comfort (NVC), 2007, pp 45-56. ISBN: 978-983-2982-17-3, Nov 27-28, 2007, Putrajaya, Malaysia.</i></p> <p>11. <i>Othman Inayatullah, Mohd Jailani Mohd Nor, Nordin Jamaludin, Yusoff Ali, Fadzlul Rahimi Ahmad Bustami, Mazian Mohammad, Fauziah Mat</i> : Monitoring the Diesel Engine Oil Viscosity: Acoustic Emission Technique. <i>Regional Conference on Advances in Noise, Vibration and Comfort (NVC), 2007, pp 57-67. ISBN: 978-983-2982-17-3, Nov 27-28, 2007, Putrajaya, Malaysia</i></p>

(j) Information about involvements in professional bodies in the past five years, inclusive of the current years:

No.	Name of Professional Body	Year	Type of Membership	Role
1.	Board of Engineer Malaysia	2008 - onwards	Graduate Member	-
2.	Malaysian Society of Non-Destructive Testing (MSNT)	2007- onwards	Member	
3.	Malaysia of Acoustic Emission Group (MAEG)	2008- onwards	Member	

(k) Grant

No.	Grant	Year	Role	Amount (RM)
1.	The elementary of organic pollutant's digestion by TiO ₂ /ZnO photocatalyst supported chitosan (Ref: FRGS/2/2014/TK04/UNISEL/03/1)	01/01/2015 till 31/12/2017	Member	5000.00
2.	Fundamental study of the propagation and scattering of guided ultrasonic waves in aerospace composites with defects (RAGS 2015-1)	10/10/2015 till 30/09/2017	Member	

