

BRIEF CV



Zamir Aimaduddin Zulkefli
Department of Mechanical and Manufacturing
Engineering, Universiti Putra Malaysia
43400 UPM, Serdang MALAYSIA
Tel : 03-8946 4378
E-mail : zamirz@eng.upm.edu.my



Areas of interest: Acoustics, Dynamics

Academic Qualification:

- M.Sc. (Aerospace), Boston University, USA
- B.Sc. (Aerospace) Magna Cum Laude, Boston University, USA
- Int. Dip. (Computer Studies), Sunway College, Malaysia

Professional Qualification/ Membership/ Affiliation:

- Member, Board of Engineers (BEM), Malaysia
- Member, American Institute of Aeronautics and Astronautics (AIAA), USA

Appointments:

2006 to date Lecturer, Mechanical and Manufacturing Engineering Department, Faculty of Engineering, UPM

Areas of Interest:

Acoustics, Dynamics

Research Topics (Project Leader);

Year	Topic/ Sponsor	Amount (RM)
2007-2009	Investigating the response of a single acoustically driven bubble near a rigid surface in a polymer gel, Fundamental Research Grant Scheme (FRGS), Universiti Putra Malaysia	RM 104,500
2007-2008	Development of a finite element model to predict the displacement of a thin layer unimorph ferroelectric driver (THUNDER) actuator, <i>Skim Pensyarah Lantikan Baru (SPLB)</i> , Universiti Putra Malaysia	RM 7,500

Student Supervision

- 7 BE projects – all completed

Publications:

Journals

1. N.H. Liang, **Z.A. Zulkefli** and N.A. Abdul Jalil, “Characterization of a Unimorph Piezoelectric Actuator Used in Parasitic Power Harvesting System to Applied Mechanical Loads”, *Proceedings of the World Engineering Congress, 5-9th August 2007, Penang*.
2. **Z. Zulkefli**; “Experimental Study of Surface Effects on the Resonance of an Acoustically Driven Bubble in Xanthan Gel”; *International Journal of Engineering and Technology*; 2006, Vol. 3, No. 1, pp 107-114.
3. J. Holmes and **Z. Zulkefli**; “Experimental Study of Surface Effects on the Resonance of an Acoustically Driven Bubble in Xanthan Gel”; *Proceedings of the FEIIC Seminar on Engineering and Technology (ISBN: 983-41705-3-X)*; 4-5th September 2006. pp 155-162.

Professional Training Attended

1. ISO 9001:2000 Internal Auditor Training, May 2008, Shah Alam, Selangor
2. ISO 9001:2000 General Awareness Course, February 2007, Serdang, Selangor