

PERSONAL INFORMATION			
Name	Ir. Dr. Zambri Harun		
Position	Senior Fellow, Mechanical Engineering Program Coordinator		
Date Appointed to present post	17/07/2013		
Date joining the university	29/06/2007		
Telephone	03-8921 6518 / 0196652833	Email	zambri@ukm.edu.my
Fax	03-89259659	URL	www.ukm.my/zambri
ACADEMIC QUALIFICATIONS			
PhD Mechanical Engineering – University of Melbourne, Australia (2012) MEng. Mechanical Engineering – Rensselaer Polytechnic Institute, New York (1998) BSc. Mechanical Engineering – Rensselaer Polytechnic Institute, New York (1997)			
PROFESIONAL MEMBERSHIP/SOCIETY			
Member of, the Board of Engineers Malaysia (BEM), membership no. 12880. Member of, the Institution of Engineers Malaysia (IEM), membership no. 23073 Member of, the Australasian Fluid Mechanics Society (AFMS) Panel, Engineering Accreditation Council (EAC)			
RESEARCH AREAS			
Flow turbulence, Renewable energy			
CURRENT RESEARCH GRANTS			
<ol style="list-style-type: none"> 1. AP-2015-003 2015-2017 Program Leader Advanced autonomous standalone renewable photovoltaic thermal and wind energy hybrid systems with nano grids for remote areas - Case study of the UKM Marine Research Centre 2. ERGS/1/2013/TK01/UKM/03/2 2013-2016 Project leader - completed The effects of skyscrapers to air flow structures and heat dissipations 3. FRGS/1/2013/TK01/UKM/03/1 2013-2016 Project leader - completed Vortex and drag control mechanism in turbulent flows using riblets 4. STEM/-2014-012 2015-2017 Project leader Pembangunan Model CDIO dalam cabaran automotif dan mengintegrasikan pendidikan STEM 5. FRGS/1/2016/TK03/UKM/02/1 2016-2019 Project Leader The development of urban heat island mitigation strategies 6. 06-01-02-SF1326 2016-2019 Project Leader The Optimized Plate Type Floor Splitter Design to Reduce Vortices in Water Pump Intake 7. PRGS/1/2017/TK08/UKM/02/1 2017-2019 Project Leader Application of Riblets on Patrol Boats 			

INDUSTRIAL EXPERIENCE/CONSULTANCY
<p>Industrial experience Worked at Motorola (Malaysia), Petaling Jaya as a process engineer. 1999 – 2003. Worked with Gerbang Perdana Sdn Bhd as a mechanical engineer and then as a design engineer for the “Plan, design and construct of the Integrated Customs and Immigration Complex (ICIQ) and the Johor Bahru Sentral (JBS), Johor Bahru”, 2004 - 2007.</p> <p>Consultancy</p> <ol style="list-style-type: none"> 1. Provide mechanical engineering consultancy services to Emas Jasa Consults Sdn. Bhd, a consulting company from 2008 till now. Air conditioning and mechanical ventilation (ACMV), fire protection, cold water and sanitary plumbing. 2. Design and build wind tunnel, <i>the Pangkor</i>, traverse and other measurement accessories. 3. Design and build a water channel. 4. Development of LaTeX template <i>Gaya UKM</i> for the university (thesis template). 5. Professional engineering advisor for the Department of Mechanical and Materials.