



Wan Hasbullah B Mohd Isa

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Academic Qualification

M.Sc. in Mechatronics (2012)

University of Applied Science Aachen, Germany

Thesis: Orientation Algorithm for Dive Navigation with Data Fusion of Turning Rate and Magnetic Sensors

B. Eng. of Precision Engineering (Mechatronics) (2009)

University of Applied Science Furtwangen, Germany

Thesis: Inspection of Topological Optimized Induction Coils for Vibration Transducers

Brief Profile

Generally my research interest is in the micro energy harvesting system (MEHS) and Inertial Navigation System (INS). Besides I also interested in developing real time software for control of mechanical system. My current ongoing researches are such as:

- Coupling of electromagnetic and piezoelectric energy harvesting system
- Data fusion of IMU and MRS for underwater INS
- Intelligent Parking Assist System (IPAS)

Research Project

RDU121412 | Parametric Study of Coupled Vibration Based Energy Harvesting systems for Wireless Ssensor Networks in Automotive Kinetics Tests | 15 Dec 2012 – 14 Dec 2014 | Research Acculturation Grant Scheme by Ministry of Education Malaysia | Project leader

RDU1303121 | A Low Cost Force Dynamometer for Precision Machining of Automotive Cylinder Head | 25 Dec 2013 – 24 Nov 2015 | UMP Internal Grant | Project member

RDU131409 | Enhancement of Stress Resistance in Squeezed Mode MR Fluid | 17 Sept 2013 – 16 Sept 2015 | Research Acculturation Grant Scheme by Ministry of Education Malaysia | Project member

Teaching / Working Experience

Lecturer | Universiti Malaysia Pahang | Mac 2012 – Present

Head of Programme (Mechatronics) | Oct 2012 – Oct 2014

Teaching courses: Computer Programming, Programming for Engineers, Digital Electronics