



Mr. Wan Anuar bin Wan Hassan
Lecturer
Faculty of Mechanical Engineering,
Universiti Malaysia Pahang,
26600 Pekan, Pahang,
MALAYSIA.
Tel: 609-424 6215, Fax: 609-424 6222
Email: wananuar@ump.edu.my

Academic Qualification

M.Eng. (Mechanical), Universiti Teknologi Malaysia
B.Eng. (Mechanical), Universiti Malaysia Pahang

Brief Profile

Currently, Wan Anuar bin Wan Hassan is a lecturer at Faculty of Mechanical Engineering in Universiti Malaysia Pahang. He graduated from Universiti Malaysia Pahang with Bachelor of Engineering (Mechanical) in 2008 and from Universiti Teknologi Malaysia with Master of Engineering (Mechanical Engineering) in 2014. His research area is on Computational Fluid Dynamics (applied in Biomedical) and Finite Element Analysis.

Working Experiences / Appointment

July 2014 ~ Current	Lecturer . Universiti Malaysia Pahang (UMP)
November 2008 ~ July 2014	Tutor . Universiti Malaysia Pahang (UMP)
June 2008 ~ November 2008	Junior Mechanical Engineer . Perunding Ranhill Worley Sdn. Bhd.

Expert Area

N/A

Research Interest

Computational Fluid Dynamics (applied in Biomedical) . EFD.Lab/COSMOSFLOW Software
Finite Element Analysis . Algor/Autodesk Simulation Software

Research Project / Grant

1. Development of New Patch Shape for Bonded Patch Repair Method (Project Leader)
(Sept 2017 ~ Sept 2019)
2. Development of The Overlay Formulation in Finite Element Model (Team Member).
(May 2017 ~ May 2019)
3. Development of Fibre Metal Laminate Materials for Automotive Application (Team Member).
(June 2016 ~ June 2018)
4. Investigation into the Intake and Exhaust Flow Performance for a Poppet Valve Two-Stroke Spark Ignition Engine (Team Member).
(April 2016 ~ April 2018)
5. Optimization of the Flow Characteristic in Various Array Arrangements of Multiple Picohydro Power Turbines (Team Member).
(April 2014 ~ April 2016)
6. Development of New Technique to Predict of Fibers in Short-Fiber Hybrid Composites (Team Member).
(June 2013 ~ June 2015)
7. Development of Control System on Android Platform for Micro Hydro Configuration (Team Member).
(May 2013 ~ May 2015)
8. Master Project: Effect of Anastomosis Segment and Stenosis on Hemodynamic of Side-to-end Radiocephalic Arteriovenous Fistula.
(January 2010 ~ December 2013)

Professional Qualification / Membership / Affiliation / Experience

N/A

Teaching Experience

Semester 2 Session 2008/2009

BMM1543 Strength of Materials, Tutorial (217 Students)

Semester 3 Session 2008/2009

DMM2513 Solid Mechanics, Lecture (11 Students)

Semester 1 2009/2010

DMM2432 Electronics Technology, Lecture & Laboratory (31 Students)

BMM4723 Mechanism Design, Laboratory (66 Students)

Semester 2 2009/2010

DMM1512 Computer Aided Design, Lecture & Laboratory (43 Students)

DMM1922 Mechanical Technology Laboratory 2, Laboratory (42 Students)

Semester 2 Session 2012/2013

DMM1921 Mechanical Technology Laboratory 2, Laboratory (49 Students)

DMM3673 Mechanical Design, Lecture (62 Students)

DMM2513 Solid Mechanics, Lecture (16 Students)

Semester 1 Session 2013/2014

DMM2931 Mechanical Technology Laboratory 3, Laboratory (47 Students)

DMM3673 Mechanical Design, Lecture (33 Students)

Semester 2 Session 2013/2014

DMM3673 Mechanical Design, Lecture (47 Students)

DMM2513 Solid Mechanics, Lecture (6 Students)

Semester 1 Session 2014/2015

BMM1821 Mechanical Laboratory 2, Laboratory (61 Students)

DMM2513 Solid Mechanics, Lecture (54 Students)

Semester 2 Session 2014/2015

BMM1821 Mechanical Laboratory 2, Laboratory (41 Students)

BMM3623 Mechanical Design, Lecture (33 Students)

Semester 1 Session 2015/2016

DMM2513 Solid Mechanics, Lecture (55 Students)

BMM3623 Mechanical Design, Lecture (47 Students)

Semester 2 Session 2015/2016

DMM3673 Mechanical Design, Lecture (54 Students)

BMM3623 Mechanical Design, Lecture (60 Students)

Semester 1 Session 2016/2017

BMM3623 Mechanical Design, Lecture (67 Students)

BMM2521 Engineering Mechanics Lab 2, Laboratory (23 Students)

Semester 2 Session 2016/2017

BMM3623 Mechanical Design, Lecture (22 Students)

DMM3673 Mechanical Design, Lecture (55 Students)

DMM2941 Mechanical Technology Laboratory 4, Laboratory (8 Students)

Semester 1 Session 2017/2018

BMM3623 Mechanical Design, Lecture (21 Students)

BMM2521 Engineering Mechanics Lab 2, Laboratory (26 Students)

DMM3914 Final Year Project, Laboratory (8 Students)

Post Graduate Supervision

N/A

Degree / Final Year Supervision

Projek Sarjana Muda (PSM) Bachelor Degree
Semester 1 & 2 Session 2014/2015 . 5 Students
Semester 1 & 2 Session 2015/2016 . 4 Students

Final Year Project (FYP) Diploma
Semester 2 Session 2012/2013 . 1 Student
Semester 1 Session 2013/2014 . 6 Students
Semester 1 Session 2013/2014 . 4 Students

List of Publications

1. Energy Absorption Efficiency of Polymeric Foams under Static Compression Loading. The 1st AUN/SEED-Net Regional Conference on Materials 2009 (RCM09).
2. Effect of Anastomosis Angle on Hemodynamic of Side-to-end Radiocephalic Arteriovenous Fistula (RCAVF). AIP CONFERENCE PROCEEDING, INTERNATIONAL MEETING OF ADVANCES IN THERMOFLUIDS, 4TH IMAT 2011, Volume 1440: 665-670.
3. M. R. Mat Rejab, W.A.W. Hassan, J. P. Siregar, D. Bachtiar, "Specific Properties of Novel Two-Dimensional Square Honeycomb Composite Structures", Applied Mechanics and Materials, Vol. 695 (2015), pp. 694-698.

List of Books

N/A

List of Consultancy

N/A

List of Research / Project

1. Development of New Patch Shape for Bonded Patch Repair Method (Project Leader)
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(January 2010 ~ December 2013)

Awards / Research / Achievements

N/A

Patents

N/A

List of Course / Conference Attended

INTERNATIONAL MEETING OF ADVANCES IN THERMOFLUIDS, 4TH IMAT 2011, 3rd and 4th October 2011, Hotel Avillion Legacy, Melaka, Malaysia.