

CURRICULUM VITAE



Dr. Tan Wee Choon

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Academic Qualifications

- Doctor of Philosophy (Engineering)
Kyoto University (2018)
Ph.D. Project: Numerical Investigation of Ammonia-fueled Planar SOFC Stack – Internal and External Cooling Effects
- Master of Engineering (Mechanical Engineering)
Universiti Tun Hessein Onn Malaysia (2008)
Master Project: Characteristics Of Composite Plates With Embedded Shape Memory Alloy Fibers
- Bachelor of Engineering (Mechanical Engineering)
Kolej Universiti Teknologi Tun Hussein Onn (2005)
Final Year Project: Developing A Computerized Pressure Measurement System For Wind Tunnel

Professional Qualification / Membership / Affiliation / Experience

1. Graduate Engineer, Board of Engineers Malaysia (Registration No. 65982A)
2. Graduate Technologist, Malaysia Board of Technologists

Working Experience

- Dec 2004 ~ Apr 2005 Trainee,
Sin Choo Seng Machinery Sdn Bhd.
- Aug 2005 ~ Oct 2005 Engineer,
Sharp Manufacturing (M) Sdn Bhd.
- Oct 2005 ~ Dec 2005 Research Assistant,
Kolej Universiti Teknologi Tun Hussein Onn.
- Jan 2006 ~ Apr 2006 Skim Pelajar Bekerja,
Kolej Universiti Teknologi Tun Hussein Onn.
- Jul 2007 ~ Nov 2007 Part Time Demonstrator,
Faculty of Mechanical & Manufacturing Engineering,
Kolej Universiti Teknologi Tun Hussein Onn.
- Jul 2008 ~ Sep 2009 Teaching Engineer,
Mechanical Engineering Programme,
School of Mechatronic Engineering,
Universiti Malaysia Perlis.
- Sep 2009 ~ present Lecturer,
Mechanical Engineering Programme,
School of Mechatronic Engineering,
Universiti Malaysia Perlis.

Administrative Experience

- Jun 2014 ~ Nov 2018 5S Internal Auditor
School of Mechatronic Engineering
Universiti Malaysia Perlis
- Dec 2012 ~ Nov 2018 Committee of International Students Management (School of Mechatronic Engineering),
Universiti Malaysia Perlis.
- Jan 2010 ~ Nov 2018 Coordinator (Lecture),
Turbomachinery and Energy Laboratory,
School of Mechatronic Engineering,
Universiti Malaysia Perlis.
- Jan 2010 ~ Nov 2018 Assistant Division Head,
Thermofluid and Energy Division,
School of Mechatronic Engineering,
Universiti Malaysia Perlis.
- Sep 2009 ~ Dec 2012 Coordinator,
Academic File Committee,
School of Mechatronic Engineering,
Universiti Malaysia Perlis.
- Sep 2009 ~ Apr 2013 Coordinator,
Academic Time Table Committee,
School of Mechatronic Engineering,
Universiti Malaysia Perlis.

Awards and Recognition

1. Anugerah Perkhidmatan Cemerlang 2013, Universiti Malaysia Perlis.
2. "Professional Online Resources Scheduling Software "TiTab" For Educational Institution", Best Innovation Award – Mechanical Engineering Programme, Programme-I, 2013.
3. "Solar Fridge For Transporting Medical Supply/ Food Storage", Bronze Prize, International Engineering Invention & Innovation Exhibition (i-ENVEX) 2012.
4. "Tesla Turbine For Green Energy Generation", Gold Prize, International Engineering Invention & Innovation Exhibition (i-ENVEX) 2011.
5. Siswazah Cemerlang 2008, Universiti Tun Hussein Onn Malaysia.

Research Interest

Solid Oxide Fuel Cell (SOFC), Particle Image Velocimetry (PIV) Method, Renewable Energy, Shape Memory Alloy, Composite, Wind Tunnel Experiment Analysis, Hammer Impact Testing.

Referees

1. Prof. Dr. Abdul Hamid Bin Adom
Universiti Malaysia Perlis,
Perlis, Malaysia.
Email: abdhamid@unimap.edu.my
2. Ir. Dr. Khairul Salleh Bin Basaruddin
Deputy Dean,
Academic and Research,
School of Mechatronic Engineering,
Universiti Malaysia Perlis,
Perlis, Malaysia.
Email: khsalleh@unimap.edu.my