



ASSOCIATE PROFESSOR DR

ABDUL RAHIM OTHMAN

Director, Research Management Center, UTP
Mechanical Engineering

INDUSTRIAL EXPERIENCE

- 8 Years with Universiti Sains Malaysia
- 2 Years as technical consultant with PTSSB
- 1 year as technical consultant with Rich Ergon Sdn Bhd

EXPERIENCE IN RESEARCH AND CONSULTANCY SERVICES

- **Total no of project secured (as at Dec 2020) = 29 projects**
- Project 1 – ADaPT: Program of Advanced Diagnostic and Prognostic Technology for Structural Health Monitoring System (RM 1.83 mil)
- Project 2 - Digiflange: Digital Flange Leak Monitoring and Prediction Tool for Petronas Flange Management (RM 628,100)
- Project 3 - Engineering & Critical Assessment of MTBE's and PDH's Hot Combined Feed Exchanger (RM 929,356)
- PTASCC: Analysis of Environmental-Induced Crack Initiation and Growth on Austenitic Stainless-Steel Material
- Etc.

TRAINING AND CONSULTANCY WORKS

1. National Grant Reviewer (FRGS & PRGS) at MOHE
2. Hi-COE Auditor
3. Flange Joint Integrity Analysis
4. Fit-for-service Analysis of Mechanical Damages
5. Creep Testing and Analysis
6. Structural Health Monitoring for Mechanical Damages
7. Linkage Mechanism Modelling and Simulation
8. Training on Finite Element Analysis using ABAQUS

LIST OF CLIENTS

- **INTERNATIONAL**
 - Spirit AeroSystems Inc
 - Wichita State University, US
 - Universitas Pertamina, Indonesia
 - Advisian, Singapore
- **LOCAL**
 - PETRONAS Chemical MTBE Sdn Bhd
 - PETRONAS Technical Services Sdn Bhd
 - PETRONAS Research Sdn Bhd
 - Universiti Sains Malaysia
 - Universiti Selangor
 - Universiti Malaysia Pahang
 - VISI Sdn Bhd
 - RWNA Engineering Sdn Bhd
 - Rich Ergon Sdn Bhd
 - Advanced Materials Research Center (AMREC), SIRIM
 - Aero Composite Malaysia (ACM), Bkt Kayu Hitam
 - Spirit AeroSystems (M) Sdn Bhd

QUALIFICATIONS

- Degree in Mechanical Engineering by Universiti Sains Malaysia (2001)
- Master in Mechanical Engineering (Automotive Engineering) by University of Leeds (2002)
- PhD in Mechanical Engineering (Mechanics of Materials) by University of Leeds (2007)

AREA OF EXPERTISE

- Mechanical Engineering
- Automotive Engineering
- Mechanics of Materials
- Finite Element Analysis
- Advance Composite Technologies

PROFESSIONAL CERTIFICATIONS/ AWARDS

- CEng (IMECHE)
- HRDF Certified Trainer