



SHAHIR ABDULLAH

Professor (Ir. Dr.)

RESEARCH

Expert in computer aided engineering (CAE) analysis, particularly on computational fluid dynamics (CFD) and modelling and analysis of thermal systems, which include aspects of energy conversion and thermal management. In addition to expertise in these technical engineering disciplines, he has done some works in the field of Engineering Education. His recent research interests include of engine downsizing, hybrid energy systems and nanofluids.

ACADEMIC QUALIFICATIONS

- **B.Eng.** (Mechanical) Universiti Kebangsaan Malaysia (1992)
- **M.Sc.** (Design & Economic Manufacture) University of Wales Swansea, U.K. (1994)
- **Ph.D.** (Mechanical Eng.) University of Wales Swansea, U.K. (1997)

EXPERTISE

- Computational Fluid Dynamics
- Energy Conversion and Recovery
- Thermal Systems and Management
- Engineering Education

RESEARCH GROUP

- Advanced Vehicle Technologies and Systems (V-TECH)

For list of publications and current research grants, please click:

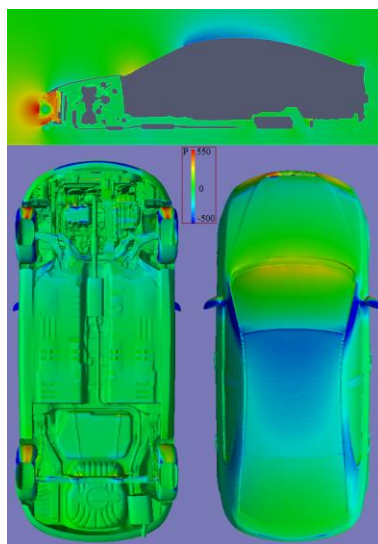
- [UKM Sarjana](#)

CONTACT

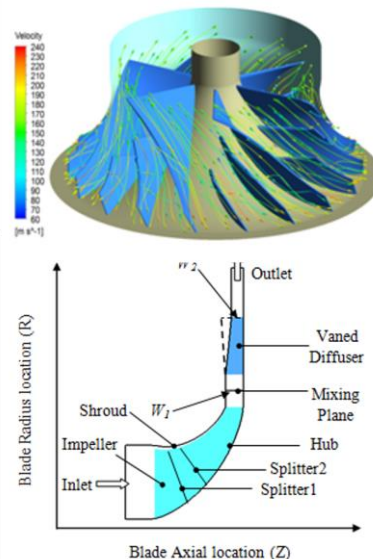
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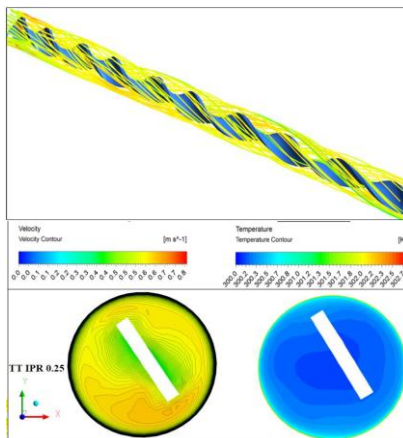
RESEARCH AT A GLANCE



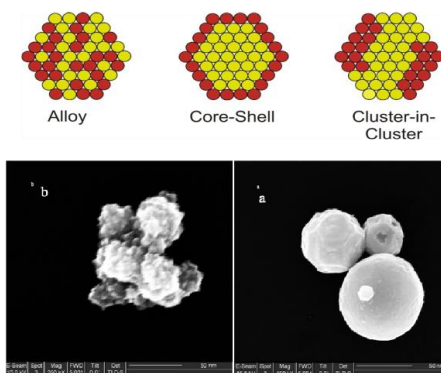
Vehicle aerodynamics



Vehicle turbocharger design



Turbulent nanofluids flow around a twisted tape



Microstructure of nanoparticles in a base fluid