

# BIOGRAPHICAL INFORMATION

## ENGR. PEROWANSA PARUKA

**ENGR. PEROWANSA** was born in 1980 at Kampung Labusai, Pulau Bum-Bum, Semporna, Sabah, Malaysia. He obtained his B.Eng (Hons) and Dip.Eng both in mechanical engineering from the Faculty of Mechanical and Manufacturing Engineering, Universiti Tun Hussein Onn Malaysia (UTHM, formerly known as KUiTTHO). He is a Member of the Institution of Engineers Malaysia (IEM) and the Board of Engineers Malaysia (BEM) for industrial and mechanical engineering.



In 2003, he started his career as a technical lecturer at the Department of Automotive Technology, Kolej Komuniti Tawau, Sabah, Kementerian Pengajian Tinggi Malaysia. In 2011, he moved to be a lecturer at the Department of Mechanical Engineering, Politeknik Kota Kinabalu, Sabah, after being completed his bachelor degree. He did an experience in using the finite element method in areas of crashworthiness and impact, and it has backed up his research and teaching activities as a polytechnic lecturer. In the course of his research, **ENGR. PEROWANSA** had gained tremendous experience in the applications of the finite element analysis and simulation, especially in using Open Source available software like GiD, IMPACT and FEBio as well as commercially available software like PAM-CRASH, ABAQUS, ANSYS, CATIA, SOLIDWORKS and CAD-CAM. Currently, he is doing research in the field of Hybrid-Composite Tube Structures, which will lead to a dissertation for his master degree. To date, he had authored three international journal papers. His research interests include Computational Mechanics, Fracture and Fatigue Mechanics, Composites and Smart Materials as well as Structural Dynamics in Vehicle Safety.