

TENGGU NORDAYANA AKMA BINTI TUAN KAMARUDDIN



- KULLIYAH OF ENGINEERING
- IIUM Gombak Campus
- Email address:
tengku_dayana@iium.edu.my

ACADEMIC QUALIFICATION

- Ph.D in Automotive

TEACHING RESPONSIBILITIES

AUTOMOTIVE ENGINEERING LAB IV	2017/2018 2019/2020
Automotive Engineering Lab III	2017/2018 2019/2020 2020/2021
DYNAMICS	2017/2018
HEAT AND MASS TRANSFER	2019/2020 2020/2021
HEAT TRANSFER	2019/2020 2020/2021
INTRODUCTION TO AUTOMOTIVE ENGINEERING	2017/2018 2019/2020
Internal Combustion Engines	2020/2021
PROJECT I	2019/2020
PROJECT II	2020/2021

RESEARCH PROJECTS

In Progress

2020 - Present	Animal Crossing Accidents vs. Capability of AEB Pedestrian System: Malaysian Roads
2020 - Present	ASEAN NCAP Roadmap (2021-2025): From Stakeholders Point of View
2019 - Present	Study of Vehicle Rearward Visibility for Motorcycle Safety in Malaysia and Indonesia
2018 - Present	Knocking combustion investigation at different driving conditions and engine parameters
2018 - Present	Knocking combustion investigation at different driving conditions and engine parameters

PUBLICATIONS

Article

- 2020** [Improvement of a lightweight aluminium cylinder block design using finite element stress analysis.](#) International Journal of Integrated Engineering , 12 (5) pp.34-42
- 2012** [Neuro-fuzzy identification of an internal combustion engine.](#) International Journal of Simulation Systems , 13 (3B) pp.30-37

Conference or Workshop Item

- 2019** [Rearward visibility assessment and a proposed performance scoring for ASEAN NCAP.](#) In: **4th International Conference & Sustainable Mobility (ICSM)**
- 2019** [Rearward visibility technology in ASEAN market.](#) In: **4th International Conference & Sustainable Mobility (ICSM)**
- 2013** [PID controller for idle speed control.](#) In: **2013 UKSim 15th International Conference on Computer Modelling and Simulation**

Book

Book Section