

Profile Image

DR. LIYANA BT RAMLI

PENSYARAH UNIVERSITI DS13

CONTACT

Phone: 067986519

E-mail:

lyanaramli@usim.edu.my

Faculty: Fakulti Kejuruteraan
Dan Alam Bina

SUPERVISION

PhD - Completed: 0, Ongoing: 0

Master - Completed: 0, Ongoing: 2

AREAS OF EXPERTISE

ACADEMIC QUALIFICATION

PhD in Electrical Engineering (2019)

Master in Electrical Engineering (2015)

Bachelor in Electrical & Electronic Engineering (2011)

RESEARCH

1. NEW OPTIMAL ENERGY-EFFICIENT CONTROL OF FLEXIBLE SYSTEMS WITH SIMULTANEOUS PAYLOAD HOISTING AND WIND DISTURBANCE

2020

GERAN KPT

ON GOING

MAIN RESEARCHER

2. MODELLING AND CONTROL OF AN AERIAL TRANSPORTATION SYSTEM CARRYING SUSPENDED PAYLOAD

2020

GERAN PENYELIDIKAN USIM RACER

COMPLETED

MAIN

RESEARCHER

PUBLICATION

1. COMBINED NEURAL NETWORK-BASED INPUT SHAPING AND FEEDBACK CONTROL OF AN OVERHEAD CRANE CONTROL AND MECHATRONICS ENGINEERING IN MULTIPLE APPLICATIONS

2021

CHAPTER IN BOOK

MAIN AUTHOR

2. EFFICIENT SWING CONTROL OF AN OVERHEAD CRANE WITH SIMULTANEOUS PAYLOAD HOISTING AND EXTERNAL DISTURBANCES

MECHANICAL SYSTEMS AND SIGNAL PROCESSING

2020

JOURNAL

ERA

MAIN AUTHOR

AWARDS/RECOGNITION

1. MODELLING AND CONTROL OF AN AERIAL TRANSPORTATION SYSTEM CARRYING SUSPENDED PAYLOAD

RESEARCH SEMINAR UNIVERSITI SAINS ISLAM MALAYSIA

2024

UNIVERSITI

CERTIFICATE OF APPRECIATION

2. FINAL YEAR PROJECT & POSTGRADUATE: RESEARCH & INNOVATION POSTER COMPETITION (RIPC SERIES 1/2023)

2023

NATIONAL

3. PERSON-FOLLOWING TELEPRESENCE ROBOT USING YOLO DEEP LEARNING

International Expo of Innovation Product and System Design (INVIDE) 2023

2023

ANTARABANGSA

SILVER

4. PERSON-FOLLOWING TELEPRESENCE ROBOT USING YOLO DEEP LEARNING

INNOVATION BANK CHALLENGE 2023 (IBC2023)

2023

UNIVERSITI

SILVER

5. STAF CONTOH FKAB BULAN OGOS

2022

UNIVERSITY