DR. FAUZUN BINTI ABDULLAH ASUHAIMI

PENSYARAH UNIVERSITI DS13

CONTACT

Phone: 067988000

E-mail:
fauzun@usim.edu.my

Faculty: Fakulti Kejuruteraan Dan Alam Bina

SUPERVISION

PhD - Completed: 0, O...
1

Master - Completed: 1, Ongoing: 0

AREAS OF EXPERTISE

Other Communication Engineering N.e.c

Radio Frequency And Wireless Systems

Artificial Intelligence And Optimisation Methods

ACADEMIC QUALIFICATION

PhD in Electronics And Electrical Engineering (2019)

Master in Electrical - Electronics And Telecommunications (2014)

Bachelor in Communication Engineering (2012)

RESEARCH

1. RESOURCE MANAGEMENT OPTIMIZATION IN 6G NETWORK FOR SMART GRID COMMUNICATIONS USING DEEP LEARNING

`2022` `GERAN PENYELIDIKAN USIM` `ON GOING` `MAIN RESEARCHER`

PUBLICATION

1. OPTIMIZATIONS OF IOT-EDGE COMPUTING IN SMART GRID WIDE AREA NETWORK.

ADVANCEMENT IN ENGINEERING AND TECHNOLOGY

`2024` `CHAPTER IN BOOK` `MAIN AUTHOR`

2. DURIAN DETECTION AND COUNTING SYSTEM USING DEEP LEARNING

JOURNAL OF ENGINEERING SCIENCE AND TECHNOLOGY

`2023` `JOURNAL` `ERA` `MAIN AUTHOR`

3. ENERGY EFFICIENCY MILLIMETER-WAVE COMMUNICATIONS FOR FLOATING PHOTOVOLTAIC IN SMART GRID

TECHNOLOGIES IN SCIENCE AND ENGINEERING

`2023` `CHAPTER IN BOOK` `MAIN AUTHOR`

4. ENERGY EFFICIENT SCHEDULING IN SMART HOME USING DEEP REINFORCEMENT LEARNING

2022 IEEE INTERNATIONAL CONFERENCE ON ARTIFICIAL INTELLIGENCE IN ENGINEERING AND TECHNOLOGY (IICAIET)

`2022` `PROCEEDING` `SCOPUS` `MAIN AUTHOR`

5. RESOURCE ALLOCATION SCHEDULING FOR DELAY OPTIMIZATION IN 6G TERAHERTZ COMMUNICATION USING DEEP REINFORCEMENT LEARNING

SEMINAR ANTARABANGSA ISLAM DAN SAINS 2022

`2022` `PROCEEDING` `NON-INDEX` `MAIN AUTHOR`

6. ENERGY EFFICIENT DEVICE-TO-DEVICE COMMUNICATIONS UNDERLAYING CELLULAR NETWORKS FOR SMART GRID NEIGHBOURHOOD AREA NETWORKS

ADVANCES IN SUSTAINABLE LIVING: ENGINEERING AND TECHNOLOGY

`2021` `CHAPTER IN BOOK` `MAIN AUTHOR`

7. DELAY-AWARE ENERGY-EFFICIENT JOINT POWER CONTROL AND MODE SELECTION IN DEVICE-TO-DEVICE COMMUNICATIONS FOR FREEDM SYSTEMS IN SMART GRIDS

IEEE ACCESS

`2019` `JOURNAL` `ISI` `MAIN AUTHOR`

8. CHANNEL ACCESS AND POWER CONTROL FOR ENERGY- EFFICIENT DELAY-AWARE HETEROGENEOUS CELLULAR NETWORKS FOR SMART GRID COMMUNICATIONS USING DEEP REINFORCEMENT LEARNING

IEEE ACCESS

`2019` `JOURNAL` `SCOPUS` `MAIN AUTHOR`

9. JOINT RESOURCE ALLOCATION AND POWER CONTROL IN HETEROGENEOUS CELLULAR NETWORKS FOR SMART GRIDS

IEEE GLOBECOM 2018

`2018` `PROCEEDING` `NON-INDEX` `MAIN AUTHOR`

10. DELAY-OPTIMAL RELAY SELECTION IN DEVICE-TO-DEVICE COMMUNICATIONS FOR SMART GRID

2017 IEEE INTERNATIONAL CONFERENCE ON SMART GRID COMMUNICATIONS (SMARTGRIDCOMM)

`2017` `PROCEEDING` `NON-INDEX` `MAIN AUTHOR`

AWARDS/RECOGNITION

1. STAFF CONTOH BULANAN

`2024` `UNIVERSITY`

2. ANUGERAH E-PEMBELAJARAN

`2024` `UNIVERSITY`

3. ACADEMIC ADVISOR

AI SINGAPORE

`2024` `INTERNATIONAL`

4. ANUGERAH KARYA SUNTINGAN TERBAIK

`2023` `NATIONAL`

5. DELAY AND ENERGY EFFICIENCY OF IOT-EDGE COMPUTING IN SMART GRID WAN

INNOVATION BANK CHALLENGE 2023 (IBC2023)

`2023` `UNIVERSITI` `SILVER`