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PENSYARAH UNIVERSITI DS14

CONTACT

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FACULTY

Fakulti Kejuruteraan Dan Alam Bina

SUPERVISION

PhD	8 COMPLETED	0 ONGOING
Master	2 COMPLETED	0 ONGOING

AREAS OF EXPERTISE

Navigation And Positioning System

Satellite Geodesy And Positioning

Digital Image Processing Algorithm And Techniques

ACADEMIC QUALIFICATION

2012 PhD - Kejuruteraan

2007 Master - Kejuruteraan

2001 Bachelor - Kejuruteraan

RESEARCH

1. QURANIC SIGN LANGUAGE DETECTION SYSTEM USING LSTM NEURAL NETWORK

2024

GERAN PENYELIDIKAN USIM

ON GOING

MAIN RESEARCHER

2. INVARIANT KALMAN FILTERING FOR LOW-COST PEDESTRIAN NAVIGATION SYSTEM

2021

GERAN PENYELIDIKAN USIM

ON GOING

MAIN RESEARCHER

3. NEW MOTION SEGMENTATION FOR VEHICLES IN URBAN TRAFFIC SCENES

2018

GERAN PENYELIDIKAN USIM

COMPLETED

MAIN RESEARCHER

4. A FORMULATION OF AN ENHANCED AIRLIGHT DETECTION ALGORITHM FOR OUTDOOR IMAGES

2013

GERAN KPT

COMPLETED

MAIN RESEARCHER

5. AUTOMATIC IMAGE ENHANCEMENT TOOL FOR POOR VISIBILITY OUTDOOR IMAGES

2013

GERAN MOSTI

COMPLETED

MAIN RESEARCHER

RESEARCH

6. EVALUATING NETWORK PERFORMANCE OF DEDICATED WIFI ROUTERS

2013

GERAN PENYELIDIKAN INSENTIF

COMPLETED

MAIN RESEARCHER

PUBLICATION

1. INDOOR POSITIONING SYSTEMS: TECHNOLOGIES AND SELECTION STRATEGIES

MALAYSIAN JOURNAL OF SCIENCE, HEALTH & TECHNOLOGY

2025

JOURNAL

OTHER DATABASE

MAIN AUTHOR

2. QURANIC SIGN LANGUAGE RECOGNITION: CHALLENGES AND FUTURE DIRECTIONS FOR EDGE-AWARE SYSTEMS

26TH INTERNATIONAL SEMINAR ON INTELLIGENT TECHNOLOGY AND ITS APPLICATIONS (ISITIA) 2025

2025

PROCEEDING

NON-INDEX

MAIN AUTHOR

3. INVARIANT EXTENDED KALMAN FILTER FOR LOW-COST FOOT-MOUNTED INERTIAL PEDESTRIAN NAVIGATION

2024 IEEE INTERNATIONAL CONFERENCE ON AUTOMATIC CONTROL AND INTELLIGENT SYSTEMS (I2CACIS)

2024

PROCEEDING

SCOPUS

MAIN AUTHOR

4. FROM MELAKA TO NOTTINGHAM

THE STORIES BEHIND SUCCESSFUL PHDS: PATIENCE, HUMILITY AND DEVOTION: THE ODYSSEY OF KNOWLEDGE

2024

CHAPTER IN BOOK

MAIN AUTHOR

5. A USER REQUIREMENT STUDY TOWARDS THE DEVELOPMENT OF AN INTEGRATED GRADUATE PORTAL (IGP) FOR GRADUATE MARKETABILITY

INTERNATIONAL SUMMIT ON EMPLOYABILITY AND SOFT SKILLS (ISESS2017)

2017

PROCEEDING

NON-INDEX

MAIN AUTHOR

6. DEVELOPMENT OF INTEGRATED GRADUATE PORTAL (IGP) FOR GRADUATE MARKETABILITY

ACADEMICS WORLD 76TH INTERNATIONAL CONFERENCE

2017

PROCEEDING

NON-INDEX

MAIN AUTHOR

7. TEST

2017

POLICY

8. ROTATING A MEMS INERTIAL MEASUREMENT UNIT FOR A FOOT MOUNTED PEDESTRIAN NAVIGATION

JOURNAL OF COMPUTER SCIENCE

2015

JOURNAL

SCOPUS

MAIN AUTHOR

9. ON MAGNETOMETER HEADING UPDATES FOR INERTIAL PEDESTRIAN NAVIGATION.

GYROSCOPY AND NAVIGATION

2014

JOURNAL

SCOPUS

MAIN AUTHOR

10. INCREASED ERROR OBSERVABILITY OF AN INERTIAL PEDESTRIAN NAVIGATION SYSTEM BY ROTATING IMU.

JOURNAL OF ENGINEERING AND TECHNOLOGICAL SCIENCES

2014

JOURNAL

SCOPUS

MAIN AUTHOR

PUBLICATION

11. UNDERSTANDING THE PERFORMANCE OF ZERO VELOCITY UPDATES IN MEMS-BASED PEDESTRIAN NAVIGATION.

INTERNATIONAL JOURNAL OF ADVANCEMENTS IN TECHNOLOGY

2014

JOURNAL

OTHER DATABASE

MAIN AUTHOR

12. ROTATING MEMS IMU FOR PEDESTRIAN NAVIGATION

INTERNATIONAL CONFERENCE ON COMPUTER NETWORKS AND INFORMATION TECHNOLOGY (ICCNIT2013)

2013

PROCEEDING

NON-INDEX

MAIN AUTHOR

13. USING CONSTRAINTS FOR SHOE MOUNTED INDOOR PEDESTRIAN NAVIGATION

THE JOURNAL OF NAVIGATION

2012

JOURNAL

WOS

MAIN AUTHOR

14. AIDING LOW COST INERTIAL NAVIGATION WITH BUILDING HEADING FOR PEDESTRIAN NAVIGATION

THE JOURNAL OF NAVIGATION

2011

JOURNAL

WOS

MAIN AUTHOR

15. INTEGRATING LOW COST IMU WITH BUILDING HEADING IN INDOOR PEDESTRIAN NAVIGATION

THE JOURNAL OF GLOBAL POSITIONING SYSTEM

2011

JOURNAL

WOS

MAIN AUTHOR

16. INVESTIGATING THE EFFECT OF ROTATING MEMS IMU FOR PEDESTRIAN NAVIGATION

THE EUROPEAN NAVIGATION CONFERENCE ON GLOBAL NAVIGATION SATELLITE SYSTEM (ENC-GNSS 2010)

2011

PROCEEDING

NON-INDEX

MAIN AUTHOR

17. AIDING MEMS IMU WITH BUILDING HEADING FOR INDOOR PEDESTRIAN NAVIGATION

UBIQUITOUS POSITIONING, INDOOR NAVIGATION AND LOCATION BASED SERVICES (UPINLBS 2010)

2010

PROCEEDING

NON-INDEX

MAIN AUTHOR

18. PEDESTRIAN NAVIGATION WITH HEADING DRIFT CORRECTION

ROYAL INSTITUTE OF NAVIGATION (RIN-NAV10)

2010

PROCEEDING

NON-INDEX

MAIN AUTHOR

19. LOW-COST, HIGH ACCURACY POSITIONING FOR INDOOR NAVIGATION

DIGITAL FUTURE CONFERENCE 2010

2010

PROCEEDING

NON-INDEX

MAIN AUTHOR

20. SATELLITE LINK MARGIN PREDICTION AND PERFORMANCE OF ASTRO MALAYSIA

INTERNATIONAL CONFERENCE ON SPACE SCIENCE AND COMMUNICATION

2009

PROCEEDING

NON-INDEX

MAIN AUTHOR

CONSULTATION

1. TECHNICAL CONSULTANT FOR PREDICTIVE AND CORRECTIVE MAINTENANCE PROJECT, TRUCK MONITORING SYSTEM

JHC LOGISTICS

2021

NATIONAL

2. PERKHIDMATAN KONSULTANSI MEMBANGUNKAN PROGRAM SARJANA MUDA SAINS SENIBINA DENGAN KEPUJIAN KOLEJ UNIVERSITI YAYASAN SABAH (UCSF)

KOLEJ UNIVERSITI YAYASAN SABAH (UCSF)

National

AWARDS/RECOGNITION

1. ANUGERAH KHAS FKAB JA'IZAH AL KHASSAH

2025

OTHERS

2. CONFERENCE PAPER REVIEWER

IEEE REGION 10

2025

INTERNATIONAL

3. ARTIFICIAL INTELLIGENCE APPLICATIONS FOR CCS PIPELINE INTEGRITY MONITORING

INNOVATION BANK CHALLENGE 2025

2025

ANTARABANGSA

SILVER

4. ANUGERAH PERKHIDMATAN CEMERLANG 2023

2024

UNIVERSITY

5. ACADEMIC ADVISOR

UKM

2024

UNIVERSITY