

Profile Image

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NORAZIZI SHAM BIN
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PENSYARAH UNIVERSITI DS14

CONTACT

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Faculty: Fakulti
Kejuruteraan Dan Alam
Bina

SUPERVISION

PhD - Completed: 2, Ongoing: 1

Master - Completed: 0,
Ongoing: 1

AREAS OF EXPERTISE

Industrial Optimisation And Control

System-on-chip (soc)

Embedded Systems

Neural, Evolutionary And Fuzzy Computation

Mathematical Programming And Optimisation

Machine Learning

ACADEMIC QUALIFICATION

PhD (2015)

Master in Software Engineering (2004)

Bachelor in Electronic Engineering (2001)

RESEARCH

1. UNCERTAINTY MODELLING WITH STOCHASTIC PROCESS FOR ROBUST REAL-TIME SCHEDULABILITY ANALYSIS

2023 GERAN PENYELIDIKAN USIM ON GOING MAIN RESEARCHER

2. AI-BASED STUDENT ATTENDANCE AND ENGAGEMENT ALGORITHM IN SOC-FPGA

2022 BIDUNI MIZANNIYAH COMPLETED MAIN RESEARCHER

3. MODELLING AND ANALYSIS OF COVID-19 SPREADING PROCESS ON COMPLEX NETWORKS

2020 GERAN PENYELIDIKAN COVID-19 COMPLETED MAIN RESEARCHER

4. ANALYSIS OF ACOUSTIC EMANATION BEHAVIOURAL CHARACTERISTICS AND QURANIC MAQAMAT ON AES-BASED BLOCK CIPHER

2016 GERAN KPT COMPLETED MAIN RESEARCHER

5. SIMULTANEOUS EXPLORATION OF MAPPING AND ROUTING ON HARD REAL-TIME EMBEDDED NETWORKS-ON-CHIP

2016 GERAN JANGKA PENDEK FASA 1 COMPLETED MAIN RESEARCHER

RESEARCH

6. COMPARISON STUDY BETWEEN EXPECTATION & EXPERIENCE OF ICT PROVISION IN UNIVERSITY

2009

GERAN PENYELIDIKAN PANTAS BAWAH SETAHUN

COMPLETED

MAIN RESEARCHER

PUBLICATION

1. REAL-TIME NETWORKS-ON-CHIP SYSTEM-LEVEL DESIGN SPACE EXPLORATION

2023 BOOK MAIN AUTHOR

2. INTEGRATED CIRCUIT CHIP FABRICATION

TECHNOLOGIES IN SCIENCE AND ENGINEERING A MULTIDISCIPLINARY APPROACH

2023 CHAPTER IN BOOK MAIN AUTHOR

3. INTRODUCTION

QURANIC ACOUSTIC AN ANALYSIS FOR CRYPTOGRAPHIC APPLICATION

2022 CHAPTER IN BOOK MAIN AUTHOR

4. CELSIUS TRACKER: A MOBILE APPLICATION TO EASE MOVEMENT CONTROL ORDER PROCEDURE DURING COVID-19 PANDEMIC

15TH INTERNATIONAL CONFERENCE ON OPEN SOURCE SYSTEMS AND TECHNOLOGIES (ICOSST)

2021 PROCEEDING NON-INDEX MAIN AUTHOR

5. TASK MAPPING AND ROUTING OPTIMIZATION FOR HARD REAL-TIME NETWORKS-ON-CHIP

BULLETIN OF ELECTRICAL ENGINEERING AND INFORMATICS

2019 JOURNAL SCOPUS MAIN AUTHOR

6. HARD REAL-TIME EMBEDDED NOC DESIGN SPACE EXPLORATION

ADVANCES IN SUSTAINABLE LIVING ENGINEERING & BUILT ENVIRONMENT

2019 CHAPTER IN BOOK MAIN AUTHOR

7. SIMULTANEOUS MULTI-OBJECTIVE OPTIMISATION FOR LOW-POWER REAL-TIME NETWORKS-ON-CHIP

4TH INTERNATIONAL CONFERENCE ON ELECTRICAL, ELECTRONICS AND SYSTEM ENGINEERING (ICEESE2018)

2018 PROCEEDING NON-INDEX MAIN AUTHOR

8. SIMULTANEOUS TASK MAPPING AND ROUTING OPTIMIZATION FOR SCHEDULING HARD REAL-TIME EMBEDDED NOCS

THE 4TH INTERNATIONAL CONFERENCE ON ELECTRONIC DESIGN (ICED 2018)

2018 PROCEEDING NON-INDEX MAIN AUTHOR

9. INDUSTRIAL TRAINING HANDBOOK FOR ENGINEERING PROGRAM

2016 BOOK MAIN AUTHOR

10. SIMULTANEOUS OPTIMISATION OF TASK MAPPING AND PRIORITY ASSIGNMENT FOR REAL-TIME EMBEDDED NOCS

23RD EUROMICRO INTERNATIONAL CONFERENCE ON PARALLEL, DISTRIBUTED AND NETWORK-BASED PROCESSING

2015 PROCEEDING NON-INDEX MAIN AUTHOR

11. A FUNCTION FOR HARD REAL-TIME SYSTEM SEARCH-BASED TASK MAPPING OPTIMISATION

REAL-TIME DISTRIBUTED COMPUTING (ISORC), 2015 IEEE 18TH INTERNATIONAL SYMPOSIUM ON

2015 PROCEEDING NON-INDEX MAIN AUTHOR

12. A CONSTRUCTIVE TASK MAPPING ALGORITHM FOR HARD REAL-TIME EMBEDDED NOCS

IEEE CONFERENCE ON SYSTEM, PROCESS & CONTROL (ICSPC2015)

2015 PROCEEDING NON-INDEX MAIN AUTHOR

13. AN OPTIMISATION ALGORITHM FOR MINIMISING ENERGY DISSIPATION IN NOC-BASED HARD REAL-TIME EMBEDDED SYSTEMS

21ST INTERNATIONAL CONFERENCE ON REAL-TIME NETWORKS AND SYSTEMS

2013 PROCEEDING NON-INDEX MAIN AUTHOR

PUBLICATION

14. REAL-TIME LOW-POWER TASK MAPPING IN NETWORKS-ON-CHIP

IEEE COMPUTER SOCIETY ANNUAL SYMPOSIUM ON VLSI (ISVLSI)

2013

PROCEEDING

NON-INDEX

MAIN AUTHOR

15. A DESIGN OF GRID SUPPORTED SERVICES FOR MOBILE LEARNING SYSTEM

2ND INTERNATIONAL CONFERENCE ON COMPUTER RESEARCH AND DEVELOPMENT

2010

PROCEEDING

NON-INDEX

MAIN AUTHOR

16. EXPECTATION & EXPERIENCE OF ICT IN UNIVERSITY: A COMPARATIVE STUDY

18TH INTERNATIONAL CONFERENCE ON COMPUTERS IN EDUCATION

2010

PROCEEDING

NON-INDEX

MAIN AUTHOR

17. IMPROVING SOFTWARE MAINTENANCE PROCESS USING INTERRELATED SET FROM FOSS

3RD INTERNATIONAL CONFERENCE ON INFORMATICS AND TECHNOLOGY

2009

PROCEEDING

NON-INDEX

MAIN AUTHOR

CONSULTATION

1. INDKOM ENGINEERING ERP PROJECT

INDKOM ENGINEERING SDN. BHD.

2015

NATIONAL

AWARDS/RECOGNITION

1. ANUGERAH SUKAN DAN REKREASI

2024

UNIVERSITY

2. ANUGERAH BUKU ILMIAH TERBAIK

2024

UNIVERSITY

3. ANUGERAH PERKHIDMATAN SETIA

2024

UNIVERSITY

4. ANUGERAH BUKU ILMIAH TERBAIK

2024

UNIVERSITY

5. ANUGERAH STAF CONTOH DISEMBER 2023

2024

UNIVERSITY