

Profile Image

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PENSYARAH UNIVERSITI DS14

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Faculty: Fakulti Sains
Dan Teknologi

SUPERVISION

PhD - Completed: 0, Ongoing: 4

Master - Completed: 4,
Ongoing: 0

AREAS OF EXPERTISE

Cryptography And Cryptanalysis (including Key Management And Random Number Generation)

Data Security Data And Digital Security And Privacy

Cybersecurity And Cyberwarfare Preparedness

ACADEMIC QUALIFICATION

PhD in Computer Science (2014)

Master in Digital Communication (2002)

Bachelor in Sistem Teknologi Maklumat (1998)

RESEARCH

1. ENHANCING INTEROPERABILITY IN THE CERTIFICATE AUTHORITY: NEW TRUST MODEL FOR PUBLIC KEY INFRASTRUCTURE USING CRYPTO-AGILITY

2024 GERAN KPT ON GOING MAIN RESEARCHER

2. DEVELOPMENT OF AN ARABIC EXAM QUESTION GENERATOR UTILIZING ADVANCED NATURAL LANGUAGE PROCESSING TECHNIQUES WITH ARABIC CORPUS

2024 GERAN PENYELIDIKAN USIM ON GOING MAIN RESEARCHER

3. A STUDY ON MALAYSIAN DIGITAL SIGNATURE (DS) MARKET DEMAND AND FEASIBILITY OF CERTIFICATION AUTHORITY (CA) INTEROPERABILITY

2023 GERAN PENYELIDIKAN AGENSI KERAJAAN COMPLETED MAIN RESEARCHER

4. LIGHTWEIGHT CRYPTOSYSTEM BY ADOPTING THE 3D FEATURE

2019 GERAN KPT COMPLETED MAIN RESEARCHER

5. AN ENHANCEMENT OF CORRELATED CLUSTERING APPROACH FOR IMPROVING WIRELESS ADHOC NETWORK PERFORMANCE.

2014 GERAN KPT COMPLETED MAIN RESEARCHER

PUBLICATION

1. ARABIC EXAM QUESTION GENERATION: AN NLP AND CORPUS-DRIVEN APPROACH

INTERNATIONAL CONFERENCE ON EMERGING TECHNOLOGIES AND SUSTAINABILITY (ICETS)

2024 PROCEEDING NON-INDEX MAIN AUTHOR

2. DIGITAL CERTIFICATE-BASED AUTHENTICATION MODEL FOR ENHANCED SMARTPHONE SECURITY

SYMPOSIUM ON COMPUTER SCIENCE AND MATHEMATICS (SCOMATICS 2024)

2024 PROCEEDING NON-INDEX MAIN AUTHOR

3. CRYPTOLEARN: AI-DRIVEN ADAPTIVE CRYPTOGRAPHY LEARNING

INTERNATIONAL SEMINAR ON ISLAM AND SCIENCE (SAIS 2024)

2024 PROCEEDING NON-INDEX MAIN AUTHOR

4. DESIGN AND IMPLEMENTATION OF A GENETIC ALGORITHM-BASED BLOCK CIPHER FOR ENHANCED CRYPTOGRAPHIC SECURITY

SEMINAR ANTARABANGSA ISLAM DAN SAINS (SAIS) 2024

2024 PROCEEDING NON-INDEX MAIN AUTHOR

5. BIG DATA-DRIVEN INFORMATION SECURITY BEHAVIOURAL PROFILING FOR ORGANISATIONAL RESILIENCE

THE INTERNATIONAL CONFERENCE ON EMERGING TECHNOLOGIES AND SUSTAINABILITY (ICETS 2024)

2024 PROCEEDING NON-INDEX MAIN AUTHOR

6. INTEROPERABILITY CHALLENGES AMONG CERTIFICATION AUTHORITIES IN MALAYSIA: AN IN-DEPTH ANALYSIS

INTERNATIONAL CONFERENCE ON CYBER SECURITY, PRIVACY IN COMMUNICATION NETWORKS

2024 PROCEEDING NON-INDEX MAIN AUTHOR

7. ASSESSING FEATURES FOR MALAYSIAN UNIVERSITIES EXPERT DIRECTORY

2ND INTERNATIONAL CONFERENCE ON EMERGING TECHNOLOGIES AND SUSTAINABILITY

2024 PROCEEDING NON-INDEX MAIN AUTHOR

8. GLOBALIZING CYBER HASANAT: CULTIVATING DIGITAL LITERACY AND ETHICAL RESPONSIBILITY FOR THE RESILIENCE COMMUNITY

INTERNATIONAL SEMINAR ON ISLAM AND SCIENCE (SAIS 2024) - 7TH EDITION

2024 PROCEEDING NON-INDEX MAIN AUTHOR

9. DISASTERPREP: DISASTER PREPAREDNESS AND RESILIENCE THROUGH A MOBILE EDUTAINMENT

INTERNATIONAL CONFERENCE ON EMERGING TECHNOLOGIES AND SUSTAINABILITY (ICETS)

2024 PROCEEDING NON-INDEX MAIN AUTHOR

10. SWINDLERT: DEVELOPMENT OF AUGMENTED REALITY GAME-BASED INTERACTIVITY FOR ENHANCING CYBERCRIME AWARENESS

INTERNATIONAL SYMPOSIUM ON COMPUTER SCIENCES AND MATHEMATICS 2024 (I-SCOMATICS)

2024 PROCEEDING NON-INDEX MAIN AUTHOR

11. CERTIFICATE AUTHORITY CAPACITY AND DIGITAL SIGNATURE MARKET DEMAND IN PROMOTING INTEROPERABILITY IN MALAYSIA.

1ST INTERNATIONAL CONFERENCE ON ADVANCES IN MACHINE INTELLIGENCE, AND CYBERSECURITY TECHNOLOGIES (AMICT2023)

2023 PROCEEDING NON-INDEX MAIN AUTHOR

12. SECURE CYBERCITIZENSHIP (SET): A GAMIFICATION LEARNING TOOL FOR CYBERSECURITY AWARENESS

ACADEMIA PRESS SOLUTIONS (APS) PROCEEDINGS VOLUME 6

2023 PROCEEDING NON-INDEX MAIN AUTHOR

13. SYSTEMATIC LITERATURE REVIEW ON CURRENT IMPLEMENTATION OF ADVANCED ENCRYPTION STANDARD (AES) S-BOX

QURANIC ACOUSTIC-AN ANALYSIS FOR CRYPTOGRAPHIC APPLICATION

2022 CHAPTER IN BOOK MAIN AUTHOR

PUBLICATION

14. KNOWLEDGE IMPACT ON INFORMATION QUALITY, SERVICE QUALITY AND SYSTEM QUALITY FOR SECURITY OF 1GOVUC

OIC-CERT JOURNAL OF CYBER SECURITY

2020 JOURNAL OTHER DATABASE MAIN AUTHOR

15. EXTENDED RECTANGLE ALGORITHM USING 3D BIT ROTATION TO PROPOSE A NEW LIGHTWEIGHT BLOCK CIPHER FOR IOT

IEEE ACCESS

2020 JOURNAL ISI MAIN AUTHOR

16. LIGHTWEIGHT CRYPTOGRAPHY TECHNIQUES FOR MHEALTH CYBERSECURITY

2019 ASIA PACIFIC INFORMATION TECHNOLOGY CONFERENCE

2019 PROCEEDING NON-INDEX MAIN AUTHOR

17. EXPERIMENTAL RESEARCH TESTBED FOR INTERNET OF THINGS: A SURVEY FROM SECURITY SERVICES PERSPECTIVES

JOURNAL OF FUNDAMENTAL AND APPLIED SCIENCES

2017 JOURNAL SCOPUS MAIN AUTHOR

18. FORMULATION OF FUZZY CORRELATED SYSTEM FOR NODE BEHAVIOR DETECTION IN WSN

JOURNAL OF TELECOMMUNICATION, ELECTRONIC AND COMPUTER ENGINEERING (JTEC)

2017 JOURNAL SCOPUS MAIN AUTHOR

19. SYSTEMATIC LITERATURE REVIEW: CORRELATED FUZZY LOGIC RULES FOR NODE BEHAVIOR DETECTION IN WIRELESS SENSOR NETWORK

JOURNAL OF TELECOMMUNICATION, ELECTRONIC AND COMPUTER ENGINEERING (JTEC)

2017 JOURNAL SCOPUS MAIN AUTHOR

20. MEASURING SENSOR TO CLOUD ENERGY CONSUMPTION

SECOND INTERNATIONAL CONFERENCE ON INTERNET OF THINGS AND CLOUD COMPUTING

2017 PROCEEDING NON-INDEX MAIN AUTHOR

21. EXPERIMENTAL RESEARCH TESTBED FOR INTERNET OF THINGS: A SURVEY FROM SECURITY SERVICES PERSPECTIVES

3RD INTERNATIONAL CONFERENCE ON DEFENCE AND SECURITY TECHNOLOGY (DSTC2016)

2016 PROCEEDING NON-INDEX MAIN AUTHOR

22. SYSTEMATIC REVIEW FOR NETWORK SURVIVABILITY ANALYSIS IN MANETS

PROCEDIA-SOCIAL AND BEHAVIORAL SCIENCES

2015 JOURNAL SCOPUS MAIN AUTHOR

23. CORRELATED TOPOLOGY CONTROL ALGORITHM FOR SURVIVAL NETWORK IN MANETS

ADVANCED COMPUTER AND COMMUNICATION ENGINEERING TECHNOLOGY

2015 CHAPTER IN BOOK MAIN AUTHOR

24. NETWORK SURVIVABILITY ANALYSIS MODELING APPROACH FOR MANETS : A SYSTEMATIC REVIEW

THE 4TH WORLD CONGRESS ON INFORMATION AND COMMUNICATION TECHNOLOGIES (WICT 14)

2014 PROCEEDING NON-INDEX MAIN AUTHOR

25. MULTIVARIATE SURVIVAL ANALYSIS FOR CORRELATED NODE BEHAVIOR IN MANETS

2014 INTERNATIONAL CONFERENCE ON INFORMATION SCIENCE AND APPLICATIONS (ICISA)

2014 PROCEEDING NON-INDEX MAIN AUTHOR

26. CORRELATED NODE BEHAVIOR MODELING IN MANETS

SEMINAR MATEMATIK DALAM INDUSTRI

2014 PROCEEDING NON-INDEX MAIN AUTHOR

PUBLICATION

27. SURVIVABILITY MODELING AND ANALYSIS OF MOBILE AD HOC NETWORK WITH CORRELATED NODE BEHAVIOR

PROCEDIA ENGINEERING

2013 JOURNAL SCOPUS MAIN AUTHOR

28. MERGING OF EPIDEMIC SIR MODEL AND SEMI MARKOV FOR CORRELATED NODE BEHAVIOR IN MANETS

INTERNATIONAL CONFERENCE ON APPLIED MATHEMATICS AND COMPUTATIONAL METHODS

2013 PROCEEDING NON-INDEX MAIN AUTHOR

29. CORRELATED NODE BEHAVIOR MODEL BASED ON SEMI MARKOV PROCESS FOR MANETS

INTERNATIONAL JOURNAL OF COMPUTER SCIENCE ISSUES (IJCSI)

2012 JOURNAL SCOPUS MAIN AUTHOR

30. CORRELATED NODE BEHAVIOR MODELING APPROACH FOR EVALUATING SURVIVABILITY IN AD HOC NETWORKS

PROCEEDINGS OF THE 3RD INTERNATIONAL CONFERENCE ON CRYPTOLOGY & COMPUTER SECURITY 2012 (CRYPTOLOGY2012)

2012 PROCEEDING NON-INDEX MAIN AUTHOR

31. CORRELATED NODE BEHAVIOR IN WIRELESS AD HOC NETWORKS: AN EPIDEMIC MODEL

IEEE THE 7TH INTERNATIONAL CONFERENCE FOR INTERNET TECHNOLOGY AND SECURED TRANSACTIONS (ICITST-2012)

2012 PROCEEDING NON-INDEX MAIN AUTHOR

32. A 3-D MARKOV CHAIN CORRELATED ALGORITHM FOR MANETS

IEEE INTERNATIONAL CONFERENCE ON COMPUTER AND INFORMATION SCIENCE, ICCIS2012

2012 PROCEEDING NON-INDEX MAIN AUTHOR

33. RESILIENCE AND SURVIVABILITY IN MANETS: DISCIPLINE, ISSUES AND CHALLENGES

3RD INTERNATIONAL CONFERENCE ON COMPUTING AND INFORMATICS, ICOCI 2011

2011 PROCEEDING NON-INDEX MAIN AUTHOR

34. FACTORS INFLUENCING KNOWLEDGE SHARING IN HIGHER LEARNING

INTERNATIONAL SYMPOSIUM ON INFORMATION TECHNOLOGY 2010

2010 PROCEEDING NON-INDEX MAIN AUTHOR

35. PERFORMANCE ANALYSIS OF ROUTING PROTOCOL IN WSN

INTERNATIONAL JOURNAL OF ELECTRICAL AND ELECTRONIC

2009 JOURNAL WOS MAIN AUTHOR

36. ANALYSIS OF PACKET ABNORMALITIES IN WIRELESS SENSOR NETWORK

5TH INTERNATIONAL CONFERENCE ON INFORMATION AND COMMUNICATION TECHNOLOGY AND SYSTEMS (ICTS)

2009 PROCEEDING NON-INDEX MAIN AUTHOR

37. MEASURING SECURITY AWARENESS IN ORGANISATION : USIM CASE STUDY

INTERNATIONAL CONFERENCE ON SOFTWARE ENGINEERING & COMPUTER SYSTEMS

2009 PROCEEDING NON-INDEX MAIN AUTHOR

38. MAC PROTOCOL TO REDUCE PACKET COLLISION IN WIRELESS SENSOR NETWORK

INTERNATIONAL CONFERENCE ON COMPUTER AND COMMUNICATION ENGINEERING (ICCCE 2008),

2008 PROCEEDING NON-INDEX MAIN AUTHOR

39. AN EFFICIENT NETWORK SECURITY SYSTEM THROUGH ONTOLOGY APPROACH

5TH INTERNATIONAL CONFERENCE ON INNOVATION IN IT (INNOVATION 08)

2008 PROCEEDING NON-INDEX MAIN AUTHOR

PUBLICATION

40. BLUETOOTH MOBILE ADVERTISING SYSTEM USING PULL-BASED APPROACH

3RD INTERNATIONAL SYMPOSIUM ON INFORMATION TECHNOLOGY, IEEE,

2008 PROCEEDING NON-INDEX MAIN AUTHOR

41. THREATS IN WIRELESS SENSORS NETWORK: AN OVERVIEW

4TH MALAYSIAN SOFTWARE ENGINEERING CONFERENCE

2008 PROCEEDING NON-INDEX MAIN AUTHOR

42. USER AUTHENTICATION IN BLUETOOTH DEVICES

2ND INTERNATIONAL CONFERENCE ON INFORMATICA (INFORMATICS 07),

2007 PROCEEDING NON-INDEX MAIN AUTHOR

43. USER AUTHENTICATION IN MOBILE FINANCE APPLICATION (MFS) IN BLUETOOTH TECHNOLOGY USING SSL

PROCEEDINGS OF THE 1ST INTERNATIONAL CONFERENCE ON E-COMMERCE 2005

2005 PROCEEDING NON-INDEX MAIN AUTHOR

44. INTEGRATING WORDNET TO ENHANCE PLAGIARISM DETECTION SYSTEM

PROCEEDING OF THE 3RD INTERNATIONAL CONFERENCE ON INFORMATION TECHNOLOGY AND MULTIMEDIA 2005

2005 PROCEEDING NON-INDEX MAIN AUTHOR

45. PLAGIARISM DETECTING SYSTEM WITHIN DOCUMENT COLLECTION FOR TEACHING AND LEARNING

PROCEEDINGS OF THE 7TH INTERNATIONAL CONFERENCE ON WORK WITH COMPUTING SYSTEMS 2004 (WWCS2004)

2004 PROCEEDING NON-INDEX MAIN AUTHOR

CONSULTATION

1. PANEL PAKAR PENILAI KRIPTOGRAFI SEDIA ADA (AKSA) - MYSEAL 2023

CYBERSECURITY MALAYSIA

2023 NATIONAL

2. MEMBANGUNKAN KERJA-KERJA PENGATURCARAAN SISTEM BAGI PIHAK KIPLEYPAY SDN BHD

KIPLEPAY SDN BHD

2019 NATIONAL

3. PANEL PENILAI UITM BAGI PROGRAM DEEMED ACCREDITED PROGRAM BACHELOR OF INFORMATION TECHNOLOGY, BACHELOR OF INFORMATION TECHNOLOGY (HONS) INTELLIGENT SYSTEM ENGINEERING, BACHELOR OF COMPUTER SCIENCE UITM,

UITM

2018 UNIVERSITY

4. DEVELOPMENT OF THE CONCEPTUAL FRAMEWORK PRELIMINARY DESIGN OF MOBILE INTERNET OF THINGS (IOT) SECURITY TEST LAB.

CYBERSECURITY

2015 NATIONAL

5. DEVELOPMENT OF INTERGRATED SYSTEM FOR RPM FOR INDKOM

INDKOM SDN BHD.

2015 NATIONAL

AWARDS/RECOGNITION

1. MODERATOR RESEARCH SEMINAR

RESEARCH SEMINAR UNIVERSITI SAINS ISLAM MALAYSIA

2024 UNIVERSITI CERTIFICATE OF APPRECIATION

2. 3D LIGHTWEIGHT CRYPTOSYSTEM DESIGN FOR IOT APPLICATIONS BASED ON COPOSITE S-BOX

Semarak International Research Article Competition 2024 (SIRAC 2024)

2024 ANTARABANGSA SILVER

3. DISASTERPREP SCENARIO SIMULATIONS: RAPID DECISION-MAKING FOR READINESS

4TH INNOVATION BANK CHALLENGE 2024 (IBC 2024)

2024 UNIVERSITI GOLD

4. SCIENCE MAPPING OF INFORMATION SECURITY BEHAVIOUR FOR ORGANISATIONAL RESILIENCE

4TH INNOVATION BANK CHALLENGE 2024 (IBC 2024)

2024 UNIVERSITI SILVER

5. SWINDLERT: DEVELOPMENT OF AUGMENTED REALITY GAME-BASED INTERACTIVITY FOR ENHANCING CYBERCRIME AWARENESS

International Symposium on Computer Sciences and Mathematics (i-SCOMATICS) 2024

2024 ANTARABANGSA BEST PAPER AWARD