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EDUCATION

دكتوراه (17-07-2017)
Networks
Universiti Utara Malaysia

RESEARCH METRICS

h-index (Scopus)	12
h-index (GS)	14
Citations (Scopus)	478
Citations (GS)	720
Documents (Scopus)	73
Documents (GS)	86

AWARDS

- Holds a first-place award for the best paper presented at International Conference
- Hold a Creative Medal award for the paper presented at the second International Conference

PATENTS

- None

RESEARCH INTERESTS

- Future Internet (ICN and NDN)
- Wireless Networking/MANET/VANET/FANET
- Sensor Networking (WSN, WBAN, and IoT)
- Routing Protocols
- Network Security
- Cloud and Fog Computing
- Blockchain Technology
- Network Performance Analysis and Evaluation

Raaid Nasur Kathdm Alubady

رائد نصر كاظم العبيدي
Associate Professor

PROFILE

Asst. Prof. Raaid Alubady received his Ph.D. degree in Information Technology/ Computer Networks from the Universiti Utara Malaysia, in 2017. He got a Bachelor's degree in Computer Sciences from the University of Babylon-Iraq, a Higher Diploma in Data Security from the Iraqi Commission for Computers and Informatics-Iraq, and a Master's degree in Information Technology/ Computer Networks from UUM-Malaysia. Alubady is a lecturer at the Information Networks Department (from 2002 to the present time), College of Information Technology, University of Babylon- Iraq. He is a member of IEEE and actively involved in IEEE activities, also been an executive member of the student chapter for three consecutive terms. In addition, he is a member of the Internet Society Malaysia Chapter; a member of the Iraqi Association for IT Specialists, Iraq; and an editor and reviewer of several international academic journals and conferences. Currently attached to the InterNetWorks Research Laboratory (IRL). Raaid current area of research focuses on the Future Internet (ICN and NDN), Wireless Networking/MANET/VANET/FANET, Sensor Networking (WSN, WBAN, and IoT), Routing Protocols, Network Security, Cloud, and Fog Computing, Blockchain Technology, and Network Performance Analysis and Evaluation.

ACADEMIC TITLES

2021-02-01 Associate Professor

GRADUATE SUPERVISION

Blockchain Technology as a Trustworthy Solution for IoT

Raed Mohammed Hasony (2019)

Developing a Handling Technique for Selfish Nodes in Mobile Ad-hoc Networks

Sanaa Jafer Hasan (2020)

Ransomware Prevention for IoT-based Healthcare Systems Using Blockchain Technique

Noor Thaner Mahamood (2020)

ADMINISTRATIVE POSITIONS

2023-01-17 - Present Deputy Dean for Scientific Affairs

2018-01-15 - 2021-06-23 Postgraduate

PUBLICATIONS (9 0)

1. Super Resolution Acoustic DOA and Multi-Modal Sensor Fusion for Real-Time Campus Emergency Localization at Al-Ayen Iraqi University
Journal of Internet Services and Information Security (JISIS) 16 (1), 472-493, 2026 | 2026
2. Modeling and Analysis of WSN-Enabled Solar Tracking System with On-Nodes Energy Harvesting
Journal of Wireless Mobile Networks, Ubiquitous Computing, and Dependable ..., 2026 | 2026
3. Design and performance evaluation of a North–South Iraq DWDM/OTN fiber transport network
Ain Shams Engineering Journal 17 (6), 104180, 2026 | 2026



4. **A bio-inspired swarm UAV framework integrating thermal sensing and optimization-based coordination for efficient search and rescue operations**
Scientific Reports, 2025 | 2025 | Cited: 3
5. **The Influence Maximization in Complex Networks: Significant Trends, Leading Contributors, and Prospective Directions**
Complexity 2025 (1), 7605463, 2025 | 2025 | Cited: 1
6. **On the Fixed Point Results for the Suzuki-Type Multivalued δ -Contractions**
Journal of Function Spaces 2025 (1), 5321847, 2025 | 2025 | Cited: 2
7. **Machine Learning for Link Prediction between Nodes in Complex Networks**
Fusion: Practice and Applications (FPA) 18 (1), 41-55, 2025 | 2025 | Cited: 3
8. **Recent Trends in Network Technologies: A Comprehensive Review**
AUIQ Technical Engineering Science 2 (3), 5, 2025 | 2025 | Cited: 5
9. **Existence of solutions for $[p, q]$ -difference initial value problems: application to the $[p, q]$ -based model of vibrating eardrums**
AIMS MATHEMATICS 10 (2), 2321-2346, 2025 | 2025
10. **Existence, uniqueness and stability analysis for a δ -Caputo generalized proportional fractional boundary problem with distinct generalized integral conditions**
Boundary Value Problems 2025 (1), 1-19, 2025 | 2025 | Cited: 4
11. **On the rho-Interpolative Ciric-Reich-Rus-Type Fixed-Point Theorems**
Journal of Mathematics 2025 (1), 2025 | 2025 | Cited: 2
12. **Performance assessment of a solar PV array using a new dynamic reconfiguration based on the Cuckoo Search optimizer**
AIMS Electronics and Electrical Engineering 9 (4), 476-499, 2025 | 2025 | Cited: 1
13. **On the [Formula: see text]-Interpolative Ciric-Reich-Rus-Type Fixed-Point Theorems**
Journal of Mathematics (Web) 2025, 2025 | 2025
14. **Sustainable secure blockchain assisted AIoT and green multi-constraints supply chain system**
IEEE Internet of Things Journal, 2025 | 2025 | Cited: 14
15. **An Analysis of Controllability Criteria for Higher-Order Caputo Fractional Differential Systems With State and Control Delays**
International Journal of Differential Equations 2025 (1), 5540872, 2025 | 2025
16. **Deep Temporal Graph Learning for Cascade Popularity Prediction in Social Networks**
2025
17. **AUIQ Award for Iraqi Researchers: A Strategic Framework to Foster Research Excellence and Academic Competitiveness Across Iraqi Institutions**
Available at SSRN 5812373, 2025 | 2025
18. **Enhancing Breast Cancer Detection in CESM Mammograms: Impact of Data Augmentation on U-NET Segmentation Performance**
Journal of Intelligent Systems and Internet of Things | 2025
19. **Transportation Regulation in Smart Cities: A Study in Cognition Sensor Network Development**
2023 Annual International Conference on Emerging Research Areas ..., 2024 | 2024 | Cited: 2
20. **Access Controls and Privacy Measures for Electronic Health Records: Security Perspective**
2024 International Conference on Emerging Trends in Networks and Computer ..., 2024 | 2024
21. **Proposing a Hybrid Data Mining Approach for Network Traffic Analysis**
2024 7th International Conference on Internet Applications, Protocols, and ..., 2024 | 2024
22. **A Development of an IoT-Based Healthcare System Using Distributed Blockchain Technology**
Iraqi Journal of Science, 5295-5313, 2024 | 2024 | Cited: 1
23. **Network Traffic Classification Using Machine Learning**
2024 7th International Conference on Internet Applications, Protocols, and ..., 2024 | 2024 | Cited: 2
24. **Simplified framework for diagnosis brain disease using functional connectivity**
2024 2nd World Conference on Communication & Computing (WCONF), 01-06, 2024 | 2024 | Cited: 3

25. **A Survey of Fog Computing-Based Resource Allocation Approaches: Overview, Classification, and Opportunity for Research**
Iraqi Journal of Science, 4008-4029, 2024 | 2024 | Cited: 5
26. **AI-driven energy forecasting for electric vehicle charging stations powered by solar and wind energy**
2024 12th International Conference on Smart Grid (icSmartGrid), 336-339, 2024 | 2024 | Cited: 19
27. **Mathematical modeling of ions adsorption from water/wastewater sources via porous materials: A machine learning-based approach**
Chemometrics and Intelligent Laboratory Systems 255, 105250, 2024 | 2024 | Cited: 5
28. **Existence theory on the Caputo-type fractional differential Langevin hybrid inclusion with variable coefficient**
Boundary Value Problems 2024 (1), 164, 2024 | 2024 | Cited: 6
29. **An embedded machine learning strategy for analyzing interfacial characteristics in impact welding of dissimilar alloys**
Composite Interfaces 31 (7), 821-841, 2024 | 2024 | Cited: 7
30. **Optimizing electric vehicle fleet operations with predictive analytics: A renewable energy-centric approach**
2024 12th International Conference on Smart Grid (icSmartGrid), 309-311, 2024 | 2024 | Cited: 20
31. **Hate speech detection in the Bengali language: a comprehensive survey**
Journal of Big Data 11 (1), 97, 2024 | 2024 | Cited: 37
32. **The role of service-oriented human-computer interaction of Low-resource, high-efficiency public transit systems**
2023 Annual International Conference on Emerging Research Areas ..., 2023 | 2023
33. **A review of modern caching strategies in named data network: overview, classification, and research directions**
Telecommunication Systems, 1-46, 2023 | 2023 | Cited: 27
34. **Develop a new handling method for selfish nodes in mobile ad-hoc networks**
Bulletin of Electrical Engineering and Informatics 12 (6), 3628-3637, 2023 | 2023 | Cited: 1
35. **Recent advances in using nanomaterials for portable biosensing platforms towards marine toxins application: Up-to-date technology and future prospects**
Microchemical Journal 195, 109500, 2023 | 2023 | Cited: 7
36. **Anticipating Student Engagement in Classroom through IoT-Enabled Intelligent Teaching Model Enhanced by Machine Learning**
Fusion: Practice and Applications 13 (1), 189-89-202, 2023 | 2023 | Cited: 4
37. **Blockchain-based e-Medical Record and Data Security Service Management based on IoMT resource**
Journal of Intelligent Systems and Internet of Things 8 (2), 86-6-100, 2023 | 2023 | Cited: 36
38. **Application of Edge Computing-Based Information-Centric Networking in Smart Cities**
Journal of Intelligent Systems and Internet of Things 8 (2), 72-2-85, 2023 | 2023
39. **Modeling Sports Event Tasks in Augmentative and Alternative Communication Using Deep Learning**
Journal of Intelligent Systems and Internet of Things 9 (2), 93-3-107, 2023 | 2023 | Cited: 3
40. **RWRR: Remind Weighted Rounding Robin for Load Balancing in Fog Computing**
2023 7th International Symposium on Innovative Approaches in Smart ..., 2023 | 2023 | Cited: 11
41. **Copyright and privacy protection for digital music with the implementation of distributed ledger technology and deep learning**
2023 Annual International Conference on Emerging Research Areas ..., 2023 | 2023
42. **Analyzing Industry Information Management and limitations based on P2P computing**
2023 Annual International Conference on Emerging Research Areas ..., 2023 | 2023
43. **Enhanced Hemorrhage Detection Based on Deep Reinforcement Hemorrhage Candidate Filtering (DR-HCF) for Diabetic Retinopathy Treatment**
2023 Annual International Conference on Emerging Research Areas ..., 2023 | 2023

44. **Entrepreneurial Performance Management Using Artificial Intelligence and Big Data Analytics**
2023 Annual International Conference on Emerging Research Areas ..., 2023 | 2023
45. **Investor Behavior Analysis Using Bayesian Learning for the Equity Market**
2023 Annual International Conference on Emerging Research Areas ..., 2023 | 2023 | Cited: 2
46. **IoT-based Digital Twin Braiding Machinery for Defect Detection**
2023 International Conference on Emerging Research in Computational Science ..., 2023 | 2023
47. **The correction system of student actions in the physical education classroom based on improved machine learning**
2023 International Conference on Emerging Research in Computational Science ..., 2023 | 2023
48. **Smart Environment Network Design for Healthcare based on Artificial Intelligence**
2023 International Conference on Emerging Research in Computational Science ..., 2023 | 2023 | Cited: 2
49. **Brain imaging and the difficulties of understanding cognitive development**
2023 International Conference on Emerging Research in Computational Science ..., 2023 | 2023
50. **Research on Innovative Data Mining Framework for Supply Chain Management in IoT Platform**
2023 International Conference on Emerging Research in Computational Science ..., 2023 | 2023 | Cited: 3
51. **Prediction of Major Wave Heights from Scatterometry measurement Data via Machine Learning Mode**
2023 International Conference on Emerging Research in Computational Science ..., 2023 | 2023
52. **Integrated Marketing Communication and Data Analytics using Narrowband-based IoT and Big Data Model**
2023 International Conference on Emerging Research in Computational Science ..., 2023 | 2023 | Cited: 1
53. **Transportation Regulation in Smart Cities: A Study in Cognition Sensor Network Development**
2023 Annual International Conference on Emerging Research Areas: International Conference on Intelligent Systems (AICERA/ICIS) | 2023 | Cited: 2
54. **Oil Spill Detection based on Machine Learning and Deep Learning: A Review**
2022 5th International Conference on Engineering Technology and its ..., 2022 | 2022 | Cited: 46
55. **Security against Ransomware Attack in Medical Healthcare Records Using Blockchain Technology**
2022 Fifth College of Science International Conference of Recent Trends in ..., 2022 | 2022 | Cited: 3
56. **An intelligent spam email filtering approach using a learning classifier system**
International Journal of Fuzzy Logic and Intelligent Systems 22 (3), 233-244, 2022 | 2022 | Cited: 4
57. **Oil Spill Segmentation from SAR Images Using Deep Neural Networks**
2022 International Symposium on Multidisciplinary Studies and Innovative ..., 2022 | 2022 | Cited: 12
58. **Comparison of performance among forwarding strategies in CCN: Disaster scenarios**
International Journal on Communications Antenna and Propagation 11 (1), 33-41, 2021 | 2021
59. **Utilizing blockchain technology for IoT-based healthcare systems**
Journal of Physics: Conference Series 1818 (1), 012111, 2021 | 2021 | Cited: 33
60. **A survey of ransomware attacks for healthcare systems: Risks, challenges, solutions and opportunity of research**
2021 1st Babylon International Conference on Information Technology and ..., 2021 | 2021 | Cited: 116
61. **A Survey of Selfish Nodes Detection in MANET: Solutions and Opportunities of Research**
2021 1st Babylon International Conference on Information Technology and ..., 2021 | 2021 | Cited: 8
62. **Blockchain-base Healthcare Applications: A Survey**
The Sixth International Conference on Internet Applications, Protocols and ..., 2021 | 2021 | Cited: 6
63. **Hybrid bat-ant colony optimization algorithm for rule-based feature selection in health care**
International Journal of Electrical and Computer Engineering (IJECE) 10 (6 ..., 2020 | 2020 | Cited: 26
64. **Direct line routing protocol to reduce delay for chain based technique in wireless sensor network**
Karbala International Journal of Modern Science 6 (2), 11, 2020 | 2020 | Cited: 12
65. **Congestion control for named data networking-based wireless ad hoc network**
Proceedings of First International Conference on Computing, Communications ..., 2020 | 2020 | Cited: 8
66. **Using NDN in Improving Energy Efficiency of MANET**
Lecture Notes in Electrical Engineering | 2020

67. **Improving spam email detection using hybrid feature selection and sequential minimal optimisation**
Indonesian Journal of Electrical Engineering and Computer Science 19 (1 ...), 2020 | 2020 | Cited: 13
68. **The Role of Management Techniques for High-Performance Pending Interest Table: A Survey**
Advances in Intelligent Systems and Computing | 2020 | Cited: 4
69. **Using NDN in Improving Energy Efficiency of MANET**
Proceedings of ICRIC 2019: Recent Innovations in Computing, 439-452, 2019 | 2019
70. **Enhancing transmission control protocol performance for Mobile Ad-hoc network**
AIP Conference Proceedings 2144 (1), 2019 | 2019 | Cited: 4
71. **Pending Interest Table Control Management in Named Data Network**
Journal of Network and Computer Applications 111, 99-116, 2018 | 2018 | Cited: 25
72. **Enhancing Replacement Policy of Content-Centric Networking to Support Reaction toward Natural Disaster**
Int. J. Eng. Technol 7, 812, 2018 | 2018 | Cited: 1
73. **Adaptive Interest Lifetime in Named Data Networking to Support Disaster Area**
Journal of Telecommunication, Electronic and Computer Engineering (JTEC) 10 ...), 2018 | 2018 | Cited: 8
74. **Simulated performance of TCP, SCTP, DCCP and UDP protocols over 4G network**
Procedia Computer Science 111, 2-7, 2017 | 2017 | Cited: 44
75. **Adaptive interest packet lifetime due to pending interest table overflow**
Advanced Science Letters 23 (6), 5573-5577, 2017 | 2017 | Cited: 4
76. **HLLR: Highest Lifetime Least Request policy for High Performance Pending Interest Table**
2016 IEEE Conference on Open Systems (ICOS), 42-47, 2017 | 2017 | Cited: 12
77. **An Efficient Pending Interest Table Control Management in Named Data Network**
Universiti Utara Malaysia (UUM), 2017 | 2017 | Cited: 3
78. **A Taxonomy of Pending Interest Table Implementation Approaches in Named Data Networking**
Journal of Theoretical & Applied Information Technology 91 (2), 411-423, 2016 | 2016 | Cited: 7
79. **Performance Evaluation of the Replacement Policies for Pending Interest Table**
Journal of Telecommunication, Electronic and Computer Engineering 8 (10 ...), 2016 | 2016 | Cited: 10
80. **A Taxonomy of Information-Centric Networking Architectures based on Data Routing and Name Resolution Approaches**
Journal of Telecommunication, Electronic and Computer Engineering 8 (10), 99-107, 2016 | 2016 | Cited: 9
81. **Adaptive Virtual Pending Interest Table: Conceptual Model**
National Workshop on FUTURE INTERNET RESEARCH (FIRES2016), 1-5, 2016 | 2016
82. **HLLR: Highest Lifetime Least Request Policy for High Performance Pending Interest Table**
IEEE Conference on Open Systems | 2016 | Cited: 12
83. **Simulation-based Performance of Transport Protocols Using MPEG-4 Traffics over 4G Network**
The 4th International Conference on Internet Applications, Protocols and ...), 2015 | 2015 | Cited: 1
84. **Internet Protocol MANET vs Named Data MANET: A Critical Evaluation**
The 4th International Conference on Internet Applications, Protocols and ...), 2015 | 2015 | Cited: 21
85. **Review of Name Resolution and Data Routing for Information Centric Networking**
The 4th International Conference on Internet Applications, Protocols and ...), 2015 | 2015 | Cited: 8
86. **Performance Analysis of Reactive and Proactive Routing Protocols in MANET**
ARPJ Journal of Engineering and Applied Sciences 10 (3), 1-11, 2015 | 2015 | Cited: 18
87. **Performance Evaluation of TCP, UDP and DCCP Traffic over 4G Network**
Research Journal of Applied Sciences, Engineering and Technology 11 (10), 1-10, 2015 | 2015 | Cited: 14
88. **Using Abstraction Methods to Improve String Matching Algorithms**
Journal of Babylon University/Pure and Applied Sciences 22 (1), 249-259, 2012 | 2012
89. **Enhancing TCP Performance in Mobile Ad-Hoc Network Using Explicit Link Failure Notification (ELFN)**
Universiti Utara Malaysia, 2012 | 2012 | Cited: 1
90. **Detection of Harmful Insects Based on Gray-Level Cooccurrence Matrix (GLCM) in Rural Areas**
International Conference on Computer Technology and Development, 3rd (ICCTD ...), 2011 | 2011