

Academic Resume



Md Abdul Hamid

Professor, Information Technology Department

Contact Information.

Building 31, Room 130, Ext. 67500, Add. Faculty of Computing and Information Technology, King Abdulaziz University, Kingdom of Saudi Arabia, mabdulhamid1@kau.edu.sa.

Highest Degree.

2009, Doctor of Philosophy, Computer Engg. (Information Communication), Kyung Hee University, Korea.

Academic and Professional Experiences.

1. **2019 - Present**
Professor, Faculty of Computing and Information Technology, King Abdulaziz University.
2. **2019 - 2019**
Professor, Computer Science and Engineering, Bangladesh, University of Asia Pacific.
3. **2017 - 2019**
Associate Professor, Computer Science and Engineering, Bangladesh, University of Asia Pacific.
4. **2016 - 2017**
Associate Professor, Computer Science, Bangladesh, American International University-Bangladesh.
5. **2013 - 2016**
Assistant Professor, Computer Engineering, Kingdom of Saudi Arabia, Taibah University.
6. **2012 - 2013**
Assistant Professor, Computer Science and Engineering, Bangladesh, Green University of Bangladesh.
7. **2009 - 2012**
Assistant Professor, South Korea, Hankuk University of Foreign Studies.
8. **2002 - 2004**
Lecturer, Computer Science and Engineering, Bangladesh, Asian University of Bangladesh.
9. **2000 - 2001**
Teaching Assistant, Computer and Information Engineering, Malaysia, International Islamic University Malaysia.

Research Interests.

Security, Wireless Networks, Machine Learning, Natural Language Processing.

Teaching Interests.

Numerical Methods for Engineers, Computer Organization and Architecture, Information Security, Cryptography and Network Security, Operating Systems, Advanced Linear Algebra, Discrete Mathematics.

Certifications and Trainings.

1. Computational Machine Learning Course in Julia (8 September 2018, JUMPers Forum, Bangladesh, Dhaka.).
2. Seminar Talk: Decision making based on the Dempster-Shafer Theory of Evidence and its Applications to Wireless Sensor Networks, 26 March 2015, Taibah University, Madinah, KSA..

Social, Scientific and Professional Affiliation.

1. 1995-Present, Member, ORCA (Old Rajshahi Cadets Association).

Excellence Awards and Patents.

1. 1995, Interior, Prime Minister Award, Peoples Republic of Bangladesh.
2. 1993, Interior, Champion in Inter Cadet College Football Competition, Rajshahi Cadet College, Bangladesh.
3. 2000, Interior, Deans List, International Islamic University Malaysia.
4. 1996, International, IIUM Undergraduate Scholarship, International Islamic University Malaysia.
5. 2004, International, President Scholarship, International Islamic University Malaysia.
6. 2004, International, Korean Government Scholarship (KOSEF), Kyung Hee University, Korea.
7. 2011, Patent, Method For Controlling Access of Communication Medium According to MAC Protocol of IEEE 802.11, University-Industry Cooperation Group of Kyung-Hee University (Pub. No. US 2011/0128846 A1).

Funded Projects.

1. 2022, Institutional Fund Projects under grant no. (IFPIP: 544-611-1443), A Robust Deep Learning-Based Approach to Detect Alzheimers from MRI Images with Explainability, Ministry of Education and King Abdulaziz University, Deanship of Scientific Research (DSR), Jeddah, Saudi Arabia, Principal Investigator (PI).
2. 2021, Enhance Precision Agriculture Using Deep Learning Techniques in Computer Vision, Deanship of Scientific Research, King AbdulAziz University, Co-Investigator (Co-I).
3. 2022, Institutional Fund Projects under grant no. (IFPIP: 320-611-1443), Self-Writer: Clusterable Embedding Based Self-Supervised Writer Recognition from Unlabeled Data, Ministry of Education and King Abdulaziz University, Deanship of Scientific Research (DSR), Jeddah, Saudi Arabia, Co-Investigator (Co-I).
4. 2022, Institutional Fund Projects under grant no. (IFPIP:505-611-1443), Taking All the Factors We Need: A Multimodal Depression Classification with Uncertainty Approximation, Ministry of Education and King Abdulaziz University, Deanship of Scientific Research (DSR), Jeddah, Saudi Arabia, Co-Investigator (Co-I).

Publications.

1. Md Mohsin Kabir, M.F. Mridha, Ashifur Rahman, Md. Abdul Hamid, Muhammad Mostafa Monowar, "Detection Of Covid-19, Pneumonia, And Tuberculosis From Radiographs Using Ai-Driven Knowledge Distillation", Heliyon, vol: 10, pp. e26801, 2024.
DOI: [10.1016/j.heliyon.2024.e26801](https://doi.org/10.1016/j.heliyon.2024.e26801)
2. Nuruzzaman Faruqui, Mohammad Abu Yousuf, Faris A. Kateb, Md. Abdul Hamid, Muhammad Mostafa Monowar, "Healthcare As A Service (Haas): Cnn-Based Cloud Computing Model For Ubiquitous Access To Lung Cancer Diagnosis", Heliyon, vol: 9, pp. e21520, 2023.
DOI: [10.1016/j.heliyon.2023.e21520](https://doi.org/10.1016/j.heliyon.2023.e21520)
3. Sabbir Ahmed, Mohammad Abu Yousuf, Muhammad Mostafa Monowar, Md. Abdul Hamid, Madini Alassafi, "Taking All The Factors We Need: A Multimodal Depression Classification With Uncertainty Approximation", Ieee Access, pp. 1-1, 2023.
DOI: [10.1109/ACCESS.2023.3315243](https://doi.org/10.1109/ACCESS.2023.3315243)
4. Abdulmajeed Abbas, Md. Abdul Hamid, "Adapting Hybrid Approaches For Electronic Medical Record Management And Sharing Using Blockchain Sharding", Periodicals Of Engineering And Natural Sciences (Pen), vol: 11, pp. 5, 2023.
DOI: [10.21533/pen.v11i1.3405](https://doi.org/10.21533/pen.v11i1.3405)
5. Tapotosh Ghosh, Md Istakiak Adnan Palash, Mohammad Abu Yousuf, Md. Abdul Hamid, Muhammad Mostafa Monowar, Madini O. Alassafi, "A Robust Distributed Deep Learning Approach To Detect Alzheimer&Rsquo;S Disease From Mri Images", Mathematics, vol: 11, pp. 2633, 2023.
DOI: [10.3390/math11122633](https://doi.org/10.3390/math11122633)
6. Zabir Mohammad, Muhammad Mohsin Kabir, Muhammad Mostafa Monowar, Md Abdul Hamid, Muhammad Firoz Mridha, "Self-Writer: Clusterable Embedding Based Self-Supervised Writer Recognition From Unlabeled Data", Mathematics, vol: 10, pp. 4796, 2022.
DOI: [10.3390/math10244796](https://doi.org/10.3390/math10244796)
7. M. F. Mridha, Akibur Rahman Prodeep, A. S. M. Morshedul Hoque, Md. Rashedul Islam, Aklima Akter Lima, Muhammad Mohsin Kabir, Md. Abdul Hamid, Yutaka Watanobe, Rafael Morales, "A Comprehensive Survey On The Progress, Process, And Challenges Of Lung Cancer Detection And Classification", Journal Of Healthcare Engineering, vol: 2022, pp. 1-43, 2022.
DOI: [10.1155/2022/5905230](https://doi.org/10.1155/2022/5905230)
8. Abdulmohsen Alharbi, Md. Abdul Hamid, Husam Lahza, "Predicting Malicious Software In Iot Environment Based On Machine Learning And Data Mining Techniques", International Journal Of Advanced Computer Science And Applications, vol: 13, 2022.
DOI: [10.14569/IJACSA.2022.0130857](https://doi.org/10.14569/IJACSA.2022.0130857)
9. Ashfia Jannat Keya, Md. Anwar Hussen Wadud, M. F. Mridha, Mohammed Alatiyyah, Md. Abdul Hamid, "Augfake-Bert: Handling Imbalance Through Augmentation Of Fake News Using Bert To Enhance The Performance Of Fake News Classification", Applied Sciences, vol: 12, pp. 8398, 2022.
DOI: [10.3390/app12178398](https://doi.org/10.3390/app12178398)
10. Md. Anwar Hussen Wadud, Muhammad Mohsin Kabir, M.F. Mridha, M. Ameer Ali, Md. Abdul Hamid, Muhammad Mostafa Monowar, "How Can We Manage Offensive Text In Social Media - A Text Classification Approach Using Lstm-Boost", International Journal Of Information Management Data Insights, vol: 2, pp. 100095, 2022.
DOI: [10.1016/j.jjime.2022.100095](https://doi.org/10.1016/j.jjime.2022.100095)
11. Muhammad Mostafa Monowar, Md. Abdul Hamid, Faris A. Kateb, Abu Quwsar Ohi, M. F. Mridha, "Self-Supervised Clustering For Leaf Disease Identification", Agriculture, vol: 12, pp. 814, 2022.
DOI: [10.3390/agriculture12060814](https://doi.org/10.3390/agriculture12060814)

Publications.

12. Muhammad Mostafa Monowar, Md. Abdul Hamid, Abu Quwsar Ohi, Madini O. Alassafi, M. F. Mridha, "Autoret: A Self-Supervised Spatial Recurrent Network For Content-Based Image Retrieval", *Sensors*, vol: 22, pp. 2188, 2022.
DOI: [10.3390/s22062188](https://doi.org/10.3390/s22062188)
13. M. F. Mridha, Md. Al Imran, Md. Anwar Hussen Wadud, Md. Abdul Hamid, "An Improved User Anonymous Secure Authentication Protocol For Healthcare System Using Wireless Medical Sensor Network", *International Journal Of Computing And Digital Systems*, vol: 11, pp. 251-263, 2022.
DOI: [10.12785/ijcds/110121](https://doi.org/10.12785/ijcds/110121)
14. Md. Ibrahim Mamun, Afroza Rahman, M. F. Mridha, M. A. Hamid, "Alzihelp: An Alzheimer Disease Detection And Assistive System Inside Smart Home Focusing 5g Using Iot And Machine Learning Approaches", pp. 105-113, 2021.
DOI: [10.1007/978-981-16-0167-5_12](https://doi.org/10.1007/978-981-16-0167-5_12)
15. M.F. Mridha, Rabeya Basri, Muhammad Mostafa Monowar, Md. Abdul Hamid, "A Machine Learning Approach For Screening Individual'S Job Profile Using Convolutional Neural Network", 2021 International Conference On Science & Contemporary Technologies (Icsct), pp. 1-6, 2021.
DOI: [10.1109/IC SCT53883.2021.9642652](https://doi.org/10.1109/IC SCT53883.2021.9642652)
16. Md. Mohsin Kabir, Tanvir Ahamed Anik, Md. Shahnewaz Abid, M. F. Mridha, Md. Abdul Hamid, "Facial Expression Recognition Using Cnn-Lstm Approach", 2021 International Conference On Science & Contemporary Technologies (Icsct), pp. 1-6, 2021.
DOI: [10.1109/IC SCT53883.2021.9642571](https://doi.org/10.1109/IC SCT53883.2021.9642571)
17. Md. Abdul Hamid, "Donation: A Social Engineering Model For Extreme Poverty Eradication", 2021 International Conference On Science & Contemporary Technologies (Icsct), pp. 1-6, 2021.
DOI: [10.1109/IC SCT53883.2021.9642614](https://doi.org/10.1109/IC SCT53883.2021.9642614)
18. M. F. Mridha, Md. Anwar Hussen Wadud, Md. Abdul Hamid, Muhammad Mostafa Monowar, M. Abdullah-Al-Wadud, Atif Alamri, "L-Boost: Identifying Offensive Texts From Social Media Post In Bengali", *Ieee Access*, pp. 1-1, 2021.
DOI: [10.1109/ACCESS.2021.3134154](https://doi.org/10.1109/ACCESS.2021.3134154)
19. Muhammad Firoz Mridha, Md. Abdul Hamid, Muhammad Mostafa Monowar, Ashfia Jannat Keya, Abu Quwsar Ohi, Md. Rashedul Islam, Jong-Myon Kim, "A Comprehensive Survey On Deep-Learning-Based Breast Cancer Diagnosis", *Cancers*, vol: 13, pp. 6116, 2021.
DOI: [10.3390/cancers13236116](https://doi.org/10.3390/cancers13236116)
20. Md. Mohsin Kabir, Aklima Akter Lima, M. F. Mridha, Md. Abdul Hamid, Muhammad Mostafa Monowar, "Forecasting Closing Price Of Stock Market Using Lstm Network: An Analysis From The Perspective Of Dhaka Stock Exchange", vol: 95, pp. 289-299, 2021.
DOI: [10.1007/978-981-16-6636-0_23](https://doi.org/10.1007/978-981-16-6636-0_23)
21. Faris Kateb, Muhammad Mostafa Monowar, Md. Abdul Hamid, Abu Quwsar Ohi, Muhammad Firoz Mridha, "Fruitdet: Attentive Feature Aggregation For Real-Time Fruit Detection In Orchards", *Agronomy*, vol: 11, pp. 2440, 2021.
DOI: [10.3390/agronomy11122440](https://doi.org/10.3390/agronomy11122440)
22. M. F. Mridha, Ashfia Jannat Keya, Md. Abdul Hamid, Muhammad Mostafa Monowar, Md. Saifur Rahman, "A Comprehensive Review On Fake News Detection With Deep Learning", *Ieee Access*, pp. 1-1, 2021.
DOI: [10.1109/ACCESS.2021.3129329](https://doi.org/10.1109/ACCESS.2021.3129329)
23. M. F. Mridha, Abu Quwsar Ohi, Md Abdul Hamid, Muhammad Mostafa Monowar, "A Study On The Challenges And Opportunities Of Speech Recognition For Bengali Language", *Artificial Intelligence Review*, 2021.
DOI: [10.1007/s10462-021-10083-3](https://doi.org/10.1007/s10462-021-10083-3)

Publications.

24. Muhammad Firoz Mridha, Abu Quwsar Ohi, Muhammad Mostafa Monowar, Md. Abdul Hamid, Md. Rashedul Islam, Yutaka Watanobe, "U-Vectors: Generating Clusterable Speaker Embedding From Unlabeled Data", Applied Sciences, vol: 11, pp. 10079, 2021.
DOI: [10.3390/app112110079](https://doi.org/10.3390/app112110079)
25. Md. Mohsin Kabir, Parisa Mehera, Alope Kumar Saha, M. F. Mridha, Md. Abdul Hamid, Muhammad Mostafa Monowar, "Cnn-Nsvm Architecture For Skin Lesion Classification Using Non-Dermoscopic Digital Image", 2021 Joint 10th International Conference On Informatics, Electronics & Vision (Iciev) And 2021 5th International Conference On Imaging, Vision & Pattern Recognition (Icivpr), pp. 1-7, 2021.
DOI: [10.1109/ICIEVICVPR52578.2021.95641](https://doi.org/10.1109/ICIEVICVPR52578.2021.95641)
26. Md. Abdul Hamid, Marjia Akter, M. F. Mridha, Muhammad Mostafa Monowar, Madini O. Alassafi, "A Comprehensive Study On Intrusion And Extrusion Phenomena", International Journal Of Advanced Computer Science And Applications, vol: 12, 2021.
DOI: [10.14569/IJACSA.2021.0120899](https://doi.org/10.14569/IJACSA.2021.0120899)
27. M. F. Mridha, Abu Quwsar Ohi, Jungpil Shin, Muhammad Mohsin Kabir, Muhammad Mostafa Monowar, Md. Abdul Hamid, "A Thresholded Gabor-Cnn Based Writer Identification System For Indic Scripts", Ieee Access, vol: 9, pp. 132329-132341, 2021.
DOI: [10.1109/ACCESS.2021.3114799](https://doi.org/10.1109/ACCESS.2021.3114799)
28. Abu Quwsar Ohi, M. F. Mridha, Md. Abdul Hamid, Muhammad Mostafa Monowar, "Deep Speaker Recognition: Process, Progress, And Challenges", Ieee Access, pp. 1-1, 2021.
DOI: [10.1109/ACCESS.2021.3090109](https://doi.org/10.1109/ACCESS.2021.3090109)
29. Rabeya Basri, M.F. Mridha, Md. Abdul Hamid, Muhammad Mostafa Monowar, "A Deep Learning Based Sentiment Analysis On Bang-Lish Disclosure", 2021 National Computing Colleges Conference (Nccc), pp. 1-6, 2021.
DOI: [10.1109/NCCC49330.2021.9428849](https://doi.org/10.1109/NCCC49330.2021.9428849)
30. Farisa Benta Safir, Abu Quwsar Ohi, M.F. Mridha, Muhammad Mostafa Monowar, Md. Abdul Hamid, "End-To-End Optical Character Recognition For Bengali Handwritten Words", 2021 National Computing Colleges Conference (Nccc), pp. 1-7, 2021.
DOI: [10.1109/NCCC49330.2021.9428809](https://doi.org/10.1109/NCCC49330.2021.9428809)
31. Abu Quwsar Ohi, M. F. Mridha, Md. Abdul Hamid, Muhammad Mostafa Monowar, Faris A. Kateb, "Fabricnet: A Fiber Recognition Architecture Using Ensemble Convnets", Ieee Access, vol: 9, pp. 13224-13236, 2021.
DOI: [10.1109/ACCESS.2021.3051980](https://doi.org/10.1109/ACCESS.2021.3051980)
32. Abu Quwsar Ohi, M. F. Mridha, Muhammad Mostafa Monowar, Md. Abdul Hamid, "Exploring Optimal Control Of Epidemic Spread Using Reinforcement Learning", Scientific Reports, vol: 10, 2020.
DOI: [10.1038/s41598-020-79147-8](https://doi.org/10.1038/s41598-020-79147-8)
33. Abu Quwsar Ohi, M. F. Mridha, Md. Abdul Hamid, Muhammad Mostafa Monowar, Md. Ferdous Mridha, AKM Ashiquzzaman, "Full Dynamic Transmission Model And Threat Analysis Of Covid-19", The Journal Of Contents Computing, vol: 2, pp. 127-138, 2020.
DOI: [10.9728/jcc.2020.06.2.1.127](https://doi.org/10.9728/jcc.2020.06.2.1.127)
34. Abu Quwsar Ohi, M. F. Mridha, Md. Abdul Hamid, Muhammad Mostafa Monowar, Dongsu Lee, Jinsul Kim, "A Lightweight Speaker Recognition System Using Timbre Properties", The Journal Of Contents Computing, vol: 2, pp. 139-151, 2020.
DOI: [10.9728/jcc.2020.06.2.1.139](https://doi.org/10.9728/jcc.2020.06.2.1.139)
35. Md. Naimur Rahman, Rownak Kabir, Md Zobayer Ahmed, Md. Abdul Hamid, M. F. Mridha, "Dxchain: Blockchain Based Smart And Indestructible Diagnosis Reporting System", Ssrn Electronic Journal, 2020.
DOI: [10.2139/ssrn.3563381](https://doi.org/10.2139/ssrn.3563381)

Publications.

36. Shaon Hossain Sani, Akramkhan Rony, Fyruz Ibnat Karim, M. F. Mridha, Md. Abdul Hamid, "Evaluate And Predict Concentration Of Particulate Matter (Pm2.5) Using Machine Learning Approach", vol: 1166, pp. 771-785, 2020.
DOI: [10.1007/978-981-15-5148-2_67](https://doi.org/10.1007/978-981-15-5148-2_67)
37. Rakib Ul Haque, M. F. Mridha, Md. Abdul Hamid, M. Abdullah-Al-Wadud, Md. Saiful Islam, "Bengali Stop Word And Phrase Detection Mechanism", Arabian Journal For Science And Engineering, vol: 45, pp. 3355-3368, 2020.
DOI: [10.1007/s13369-020-04388-8](https://doi.org/10.1007/s13369-020-04388-8)
38. Abu Quwsar Ohi, M.F. Mridha, Farisa Benta Safir, Md. Abdul Hamid, Muhammad Mostafa Monowar, "Autoembedder: A Semi-Supervised Dnn Embedding System For Clustering", Knowledge-Based Systems, vol: 204, pp. 106190, 2020.
DOI: [10.1016/j.knosys.2020.106190](https://doi.org/10.1016/j.knosys.2020.106190)
39. M. F. Mridha, Md. Abdul Hamid, Shaon Hossain Sani, Akramkhan Rony, Seungmin Oh, Jinsul Kim, "Evaluate And Predict Concentration Of Particulate Matter (Pm10) Using Machine Learning Approach", The Journal Of Contents Computing, vol: 1, pp. 11-23, 2019.
DOI: [10.9728/jcc.2019.12.1.1.11](https://doi.org/10.9728/jcc.2019.12.1.1.11)
40. Rakib ul Haque, Parisa Mehera, M. F. Mridha, Md. Abdul Hamid, "A Complete Bengali Stop Word Detection Mechanism", 2019 Joint 8th International Conference On Informatics, Electronics & Vision (Iciev) And 2019 3rd International Conference On Imaging, Vision & Pattern Recognition (Icivpr), pp. 103-107, 2019.
DOI: [10.1109/ICIEV.2019.8858544](https://doi.org/10.1109/ICIEV.2019.8858544)
41. M. F. Mridha, Md. Abdul Hamid, Md. Mashod Rana, Md. Eyaseen Arafat Khan, Md. Masud Ahmed, Mohammad Tipu Sultan, "Semantic Error Detection And Correction In Bangla Sentence", 2019 Joint 8th International Conference On Informatics, Electronics & Vision (Iciev) And 2019 3rd International Conference On Imaging, Vision & Pattern Recognition (Icivpr), pp. 184-189, 2019.
DOI: [10.1109/ICIEV.2019.8858522](https://doi.org/10.1109/ICIEV.2019.8858522)
42. Rakib ul Haque, Parisa Mehera, M. F. Mridha, Md. Abdul Hamid, "Bengali Stop Phrase Detection Mechanism Using Corpus Based Method", 2019 Joint 8th International Conference On Informatics, Electronics & Vision (Iciev) And 2019 3rd International Conference On Imaging, Vision & Pattern Recognition (Icivpr), pp. 178-183, 2019.
DOI: [10.1109/ICIEV.2019.8858583](https://doi.org/10.1109/ICIEV.2019.8858583)
43. M. I. Mamun, A. Rahman, A. Khaleque, M. F. Mridha, M. A. Hamid, "Healthcare Monitoring System Inside Self-Driving Smart Car In 5g Cellular Network", Helsinki-Espoo, Finland, 2019.
44. M. I. Mamun, A. Rahman, A. Khaleque, M. A. Hamid, M. F. Mridha, "Autilife: A Healthcare Monitoring System For Autism Center In 5g Cellular Network Using Machine Learning Approach", Helsinki-Espoo, Finland, 2019.
45. R. Hasan, S. Chakraborti, M. Z. Hossain, T. Ahamed, M. A. Hamid and M. F. Mridha, "Character And Mesh Optimization Of Modern 3d Video Games", India, 2019.
46. M. Akter, G. D. Dip, M. S. Mira, M. A. Hamid, M. F. Mridha, "Construing Attacks Of Internet Of Things (Iot) And A Prehensile Intrusion Detection System For Anomaly Detection Using Deep Learning Approach", Technical University Of Ostrava, Czech Republic, 2019.
47. M. F. Hossan, M. F Mridha and M. A. Hamid, "Find Better Accuracy For Breast Cancer Detection Using Neural Network", Technical University Of Ostrava, Czech Republic, 2019.
48. M. F. Mridha, Md. Abdul Hamid, Md. Asaduzzaman, "Issues Of Internet Of Things (Iot) And An Intrusion Detection System For Iot Using Machine Learning Paradigm", pp. 395-406, 2019.
DOI: [10.1007/978-981-13-7564-4_34](https://doi.org/10.1007/978-981-13-7564-4_34)

Publications.

49. M. F. Mridha, Md. Mashod Rana, Md. Abdul Hamid, Md. Eyaseen Arafat Khan, Md. Masud Ahmed, Mohammad Tipu Sultan, "An Approach For Detection And Correction Of Missing Word In Bengali Sentence", 2019 International Conference On Electrical, Computer And Communication Engineering (Ecce), pp. 1-4, 2019.
DOI: [10.1109/ECACE.2019.8679416](https://doi.org/10.1109/ECACE.2019.8679416)
50. Md. Mashod Rana, Mohammad Tipu Sultan, M. F. Mridha, Md. Eyaseen Arafat Khan, Md. Masud Ahmed, Md. Abdul Hamid, "Detection And Correction Of Real-Word Errors In Bangla Language", 2018 International Conference On Bangla Speech And Language Processing (Icbslp), pp. 1-4, 2018.
DOI: [10.1109/ICBSLP.2018.8554502](https://doi.org/10.1109/ICBSLP.2018.8554502)
51. Arnab Rahman Chowdhury, Junayed Mahmud, Abu Raihan Mostofa Kamal, Md. Abdul Hamid, "Maes: Modified Advanced Encryption Standard For Resource Constraint Environments", 2018 Ieee Sensors Applications Symposium (Sas), pp. 1-6, 2018.
DOI: [10.1109/SAS.2018.8336747](https://doi.org/10.1109/SAS.2018.8336747)
52. Md. Abdul Hamid, M. Abdullah-Al-Wadud, Mohammad Mehedi Hassan, Ahmad Almogren, Atif Alamri, Abu Raihan M. Kamal, Md. Mamun-Or-Rashid, "A Key Distribution Scheme For Secure Communication In Acoustic Sensor Networks", Future Generation Computer Systems, vol: 86, pp. 1209-1217, 2018.
DOI: [10.1016/j.future.2017.07.025](https://doi.org/10.1016/j.future.2017.07.025)
53. Shahadat Hossain, Abdul Hamid, Saifuddin Saif, "An Algorithm To Find Out Risk Free Share To Invest In Stock Market", International Journal Of Engineering Trends And Technology, vol: 53, pp. 19-22, 2017.
DOI: [10.14445/22315381/IJETT-V53P205](https://doi.org/10.14445/22315381/IJETT-V53P205)
54. Islam Anik, Akter Arifa, Hamid Md. Abdul, "Hitband: A Prefetching Model To Increase Hit Rate And Reduce Bandwidth Consumption", International Journal Of Information Engineering And Electronic Business, vol: 9, pp. 36-46, 2017.
DOI: [10.5815/ijieeb.2017.01.05](https://doi.org/10.5815/ijieeb.2017.01.05)
55. Md. Tanzim Saqib, Md. Abdul Hamid, "Fogr: A Highly Reliable And Intelligent Computation Offloading On The Internet Of Things", Tencon 2016 - 2016 Ieee Region 10 Conference, pp. 1039-1042, 2016.
DOI: [10.1109/TENCON.2016.7848164](https://doi.org/10.1109/TENCON.2016.7848164)
56. Abdullah Al-Tariq, Abu Raihan Mostofa Kamal, Md. Abdul Hamid, M. Abdullah-Al-Wadud, Mohammad Mehedi Hassan, SK Md. Mizanur Rahman, "A Scalable Framework For Protecting User Identity And Access Pattern In Untrusted Web Server Using Forward Secrecy, Public Key Encryption And Bloom Filter", Concurrency And Computation: Practice And Experience, vol: 29, pp. e3863, 2016.
DOI: [10.1002/cpe.3863](https://doi.org/10.1002/cpe.3863)
57. Abu Raihan M. Kamal, Md. Abdul Hamid, "Supervisory Routing Control For Dynamic Load Balancing In Low Data Rate Wireless Sensor Networks", Wireless Networks, vol: 23, pp. 1085-1099, 2016.
DOI: [10.1007/s11276-016-1209-z](https://doi.org/10.1007/s11276-016-1209-z)
58. M. A. Hamid, A. R. M. Kamal and M. M. Alam, "Multi-Channel Multi-Path Enabled Qos-Aware Routing For Wireless Multimedia Sensor Networks", 2015.
59. Mohammad Mehedi Hassan, Mohammad Abdullah-Al-Wadud, Ahmad Almogren, SK Md. Mizanur Rahman, Abdulhameed Alelaiwi, Atif Alamri, Md. Abdul Hamid, "Qos And Trust-Aware Coalition Formation Game In Data-Intensive Cloud Federations", Concurrency And Computation: Practice And Experience, vol: 28, pp. 2889-2905, 2015.
DOI: [10.1002/cpe.3543](https://doi.org/10.1002/cpe.3543)
60. 38. M. A. Hamid, M. A. Wadud and M. M. Alam, "A Cluster-Based Mac Protocol In Hierarchical Wireless Sensor Network For Efficient Data Collection", Tenerife, Spain, 2014.

Publications.

61. Muhammad Mostafa Monowar, Mohammad Mehedi Hassan, Fuad Bajaber, Md. Abdul Hamid, Atif Alamri, "Thermal-Aware Multiconstrained Intrabody Qos Routing For Wireless Body Area Networks", International Journal Of Distributed Sensor Networks, vol: 10, pp. 676312, 2014.
DOI: [10.1155/2014/676312](https://doi.org/10.1155/2014/676312)
62. M. A. Hamid and M A. Wadud, "Schedule-Based Multi-Channel Mac Protocol For Wireless Sensor Networks", 2013.
63. Abu Raihan M. Kamal, Md. Abdul Hamid, "Reliable Data Approximation In Wireless Sensor Network", Ad Hoc Networks, vol: 11, pp. 2470-2483, 2013.
DOI: [10.1016/j.adhoc.2013.06.011](https://doi.org/10.1016/j.adhoc.2013.06.011)
64. SM Kamruzzaman, Md. Abdul Hamid, AM Jihad Sarkar, "Erann: An Algorithm To Extract Symbolic Rules From Trained Artificial Neural Networks", Iete Journal Of Research, vol: 58, pp. 138, 2012.
DOI: [10.4103/0377-2063.96181](https://doi.org/10.4103/0377-2063.96181)
65. M. Abdullah-Al-Wadud, Md. Abdul Hamid, "A Fault-Tolerant Structural Health Monitoring Protocol Using Wireless Sensor Networks", Annals Of Telecommunications - Annales Des T??L??Communications, vol: 69, pp. 219-228, 2012.
DOI: [10.1007/s12243-012-0336-5](https://doi.org/10.1007/s12243-012-0336-5)
66. C. S. Hong, M. M. Rahman, M. A. Hamid and J. H. Kim, "Method For Controlling Access Of Communication Medium According To Mac Protocol Of Ieee 802.11", Us Patent, Pub. No. Us 2011/0128846 A1, 2011.
67. Md. Abdul Hamid, M. Abdullah-Al-Wadud, Ilyoung Chong, "Multi-Channel Mac Protocol For Wireless Sensor Networks: A Schedule-Based Approach", 2011 International Conference On Information Networking (Icoin), pp. 68-73, 2011.
DOI: [10.1109/ICOIN.2011.5723136](https://doi.org/10.1109/ICOIN.2011.5723136)
68. Md. Abdul Hamid, A. M. Jihad Sarkar, "A Group-Based Security Scheme For Wireless Sensor Networks", Annals Of Telecommunications - Annales Des T??L??Communications, vol: 67, pp. 455-469, 2011.
DOI: [10.1007/s12243-011-0278-3](https://doi.org/10.1007/s12243-011-0278-3)
69. S. M. Kamruzzaman, Md. Abdul Hamid, "An Energy Efficient Multichannel Mac Protocol For Qos Provisioning In Manets", Ksii Transactions On Internet And Information Systems, pp. 684-702, 2011.
DOI: [10.3837/tiis.2011.04.004](https://doi.org/10.3837/tiis.2011.04.004)
70. Md. Abdul Hamid, M. Abdullah-Al-Wadud, Muhammad Mahbub Alam, "A Reliable Structural Health Monitoring Protocol Using Wireless Sensor Networks", 2011 14th International Conference On Computer And Information Technology (Iccit), pp. 601-606, 2011.
DOI: [10.1109/ICCITech.2011.6164859](https://doi.org/10.1109/ICCITech.2011.6164859)
71. M. A. Hamid and M. S. Islam, "Misbehavior Detection In Wireless Mesh Networks", 2010.
72. Abdul Hamid, "Provisioning Fairness For Data Collection In Wireless Sensor Networks", Iete Technical Review, vol: 27, pp. 326, 2010.
DOI: [10.4103/0256-4602.64603](https://doi.org/10.4103/0256-4602.64603)
73. Shariful Islam, Muhammad Mahbub Alam, M. Abdul Hamid, Choong Seon Hong, "High Throughput Path Selection For Ieee 802.11s Based Wireless Mesh Networks", The 4th International Conference, pp. 1, 2010.
DOI: [10.1145/2108616.2108696](https://doi.org/10.1145/2108616.2108696)
74. Muhammad Mahbub ALAM, Md. Abdul HAMID, Md. Abdur RAZZAQUE, Choong Seon HONG, "Fair Scheduling And Throughput Maximization For Ieee 802.16 Mesh Mode Broadband Wireless Access Networks", Ieice Transactions On Communications, vol: E93-B, pp. 1459-1474, 2010.
DOI: [10.1587/transcom.E93.B.1459](https://doi.org/10.1587/transcom.E93.B.1459)

Publications.

75. Muhammad Mahbub Alam, Md. Shariful Islam, Md. Abdul Hamid, Choong Seon Hong, Sungwon Lee, "Congestion-Aware Fair Rate Control In Wireless Mesh Networks", Annals Of Telecommunications - Annales Des T??L??Communications, vol: 66, pp. 275-291, 2010.
DOI: [10.1007/s12243-010-0199-6](https://doi.org/10.1007/s12243-010-0199-6)
76. Md. Abdul Hamid, Muhammad Mahbub Alam, Md. Shariful Islam, Choong Seon Hong, "Enforcing Fairness For Data Collection In Wireless Sensor Networks", 2010 8th Annual Communication Networks And Services Research Conference, pp. 192-198, 2010.
DOI: [10.1109/CNSR.2010.36](https://doi.org/10.1109/CNSR.2010.36)
77. Md. Abdul Hamid, Muhammad Mahbub Alam, Md. Shariful Islam, Choong Seon Hong, Sungwon Lee, "Fair Data Collection In Wireless Sensor Networks: Analysis And Protocol", Annals Of Telecommunications - Annales Des T??L??Communications, vol: 65, pp. 433-446, 2010.
DOI: [10.1007/s12243-010-0163-5](https://doi.org/10.1007/s12243-010-0163-5)
78. Md. Abdul Hamid, M. Abdullah-Al-Wadud, Ilyoung Chong, "A Schedule-Based Multi-Channel Mac Protocol For Wireless Sensor Networks", Sensors, vol: 10, pp. 9466-9480, 2010.
DOI: [10.3390/s101009466](https://doi.org/10.3390/s101009466)
79. SM Kamruzzaman, Md Abdul Hamid, M Abdullah-Al-Wadud, "An Energy-Efficient Mac Protocol For Qos Provisioning In Cognitive Radio Ad Hoc Networks", Radioengineering, 2010.
80. Md. Abdul Hamid, Choong Seon Hong, "Energy Conserving Security Mechanisms For Wireless Sensor Networks", Annals Of Telecommunications - Annales Des T??L??Communications, vol: 64, pp. 723-734, 2009.
DOI: [10.1007/s12243-009-0088-z](https://doi.org/10.1007/s12243-009-0088-z)
81. Md. Mamun-Or-Rashid, Muhammad Mahbub Alam, Md. Abdul Hamid, Choong Seon Hong, "Flow Rank Based Probabilistic Fair Scheduling For Wireless Ad Hoc Networks", Wireless Networks, vol: 16, pp. 713-729, 2009.
DOI: [10.1007/s11276-009-0164-3](https://doi.org/10.1007/s11276-009-0164-3)
82. Md. Shariful Islam, Md. Abdul Hamid, Byung Goo Choi, Choong Seon Hong, "Securing Layer-2 Path Selection In Wireless Mesh Networks", vol: 5379, pp. 69-83, 2009.
DOI: [10.1007/978-3-642-00306-6_6](https://doi.org/10.1007/978-3-642-00306-6_6)
83. Md. Abdul Hamid, M. Abdullah-Al-Wadud, Choong Seon Hong, Oksam Chae, Sungwon Lee, "A Robust Security Scheme For Wireless Mesh Enterprise Networks", Annals Of Telecommunications - Annales Des T??L??Communications, vol: 64, pp. 401-413, 2009.
DOI: [10.1007/s12243-008-0084-8](https://doi.org/10.1007/s12243-008-0084-8)
84. Md. Shariful Islam, Muhammad Mahbub Alam, Md. Abdul Hamid, Choong Seon Hong, Sungwon Lee, "Eft: A High Throughput Routing Metric For Ieee 802.11s Wireless Mesh Networks", Annals Of Telecommunications - Annales Des T??L??Communications, vol: 65, pp. 247-262, 2009.
DOI: [10.1007/s12243-009-0130-1](https://doi.org/10.1007/s12243-009-0130-1)
85. Md. Shariful Islam, Md. Abdul Hamid, Choong Seon Hong, "Shwmp: A Secure Hybrid Wireless Mesh Protocol For Ieee 802.11s Wireless Mesh Networks", vol: 5730, pp. 95-114, 2009.
DOI: [10.1007/978-3-642-10649-1_6](https://doi.org/10.1007/978-3-642-10649-1_6)
86. Md. Abdul Hamid, Choong Seon Hong, "A Secure Message Percolation Scheme For Wireless Sensor Network", vol: 5200, pp. 554-563, 2008.
DOI: [10.1007/978-3-540-89524-4_55](https://doi.org/10.1007/978-3-540-89524-4_55)
87. Md. Abdul Hamid, Md. Shariful Islam, Choong Seon Hong, "Developing Security Solutions For Wireless Mesh Enterprise Networks", 2008 Ieee Wireless Communications And Networking Conference, pp. 2549-2554, 2008.
DOI: [10.1109/WCNC.2008.448](https://doi.org/10.1109/WCNC.2008.448)

Publications.

88. Md. Abdul Hamid, Md. Shariful Islam, Choong Seon Hong, "Misbehavior Detection In Wireless Mesh Networks", 2008 10th International Conference On Advanced Communication Technology, pp. 1167-1169, 2008.
DOI: [10.1109/ICACT.2008.4493973](https://doi.org/10.1109/ICACT.2008.4493973)
89. Md. Shariful Islam, Md. Abdul Hamid, Choong Seon Hong, Beom-Hwan Chang, "Preserving Identity Privacy In Wireless Mesh Networks", 2008 International Conference On Information Networking, pp. 1-5, 2008.
DOI: [10.1109/ICOIN.2008.4472767](https://doi.org/10.1109/ICOIN.2008.4472767)
90. Md. Abdul Hamid, Muhammad Mahbub Alam, Choong Seon Hong, "Design Of A Qos-Aware Routing Mechanism For Wireless Multimedia Sensor Networks", Ieee Globecom 2008 - 2008 Ieee Global Telecommunications Conference, pp. 1-6, 2008.
DOI: [10.1109/GLOCOM.2008.ECP.159](https://doi.org/10.1109/GLOCOM.2008.ECP.159)
91. Abdul Hamid, Muhammad Mahbub Alam, Choong Seon Hong, "Developing A Security Protocol Based On Lcg And Orthogonal Matrices For Wireless Sensor Networks", The 9th International Conference On Advanced Communication Technology, pp. 1511-1514, 2007.
DOI: [10.1109/ICACT.2007.358654](https://doi.org/10.1109/ICACT.2007.358654)
92. Abdul Hamid, Mustafizur Rahman, Young Jig Yoon, Choong Seon Hong, "Developing A Group-Based Security Scheme For Wireless Sensor Networks", Ieee Globecom 2007-2007 Ieee Global Telecommunications Conference, pp. 1354-1359, 2007.
DOI: [10.1109/GLOCOM.2007.260](https://doi.org/10.1109/GLOCOM.2007.260)
93. 54. M. A. Hamid, M. M. Rashid and C. S. Hong, "Routing Security In Sensor Network: Hello Flood Attack And Defense", Dhaka, Bangladesh, 2006.
94. Md. Abdul Hamid, Md. Mustafizur Rahman, Choong Seon Hong, "Energy Conserving Security Mechanism For Wireless Sensor Network", vol: 3981, pp. 866-875, 2006.
DOI: [10.1007/11751588_90](https://doi.org/10.1007/11751588_90)
95. M. Alam, A. Hamid, Choong Seon Hong, "Qos-Aware Fair Scheduling In Multihop Wireless Ad Hoc Networks", 8th International Conference On Advanced Communication Technology, pp. 5 pp.-1000, 2006.
DOI: [10.1109/ICACT.2006.206139](https://doi.org/10.1109/ICACT.2006.206139)
96. A. Hamid, Mamun-Or-Rashid, Choong Seon Hong, "Defense Against Lap-Top Class Attacker In Wireless Sensor Network", 8th International Conference On Advanced Communication Technology, pp. 5 pp.-318, 2006.
DOI: [10.1109/ICACT.2006.205976](https://doi.org/10.1109/ICACT.2006.205976)