Prof. Mouhammd ALkasassbeh

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Executive & Academic Leadership Profile

Full Professor of Computer Science and Assistant to the President at Princess Sumaya University for Technology (PSUT), with extensive experience in university administration, academic leadership, research, postgraduate supervision, teaching, and institutional service. Former Head of the IT Department and Head of the Computer Science Department at Mutah University. Internationally active researcher in cybersecurity, network traffic analysis, intrusion detection systems, adversarial AI, machine learning, 5G/IoT security, and resilient critical infrastructure. Experienced in postgraduate mentorship, academic peer review, and cross-institutional research collaboration.

Academic & Administrative

Sept 2025–Present — Assistant to the President, Princess Sumaya University for Technology (PSUT), Jordan.

Sept 2018–Present — Full Professor, Computer Science Department, King Hussein School of Computing Sciences, PSUT, Jordan.

Sept 2013–Sept 2014 — Head of the Computer Science Department, Mutah University, Jordan .

Aug 2008–Aug 2010 — Head of the Computer Science Department, Mutah University, Jordan .

Research Publications

2026

- **Detecting DDoS: A Communication Efficient Approach in Distributed Environments**

  Batool Armouti, Mouhammd Alkasassbseh, 2nd International Conference on Computational Intelligence Approaches and Applications (ICCIAA), IEEE, pp. 1–6, 2026.

- **Blockchain Tamper Evident Telemetry for RPL IoT Security Analytics**

  Hatem Mosa, Mouhammd Alkasassbeh, 2026 2nd International Conference on Computational Intelligence Approaches and Applications (ICCIAA), IEEE, pp. 1–8, 2026.

- **BiPAM: Bidirectional Parallel Attention-Mamba for Efficient Anomaly Detection in Industrial Control Systems**

  Mohammad Alhadidi, Mouhammd Alkasassbeh , 2026 2nd International Conference on Computational Intelligence Approaches and Applications (ICCIAA), IEEE, pp. 1–7, 2026.

- **Exploiting GANs Against IDSs: A Systematic Review, Meta-Analysis, and Case Study Evaluation**

  Y. Alslman, M. Alkasassbeh, and M. J. Abdel-Rahman

  IEEE Transactions on Artificial Intelligence (Early Access), pp. 1–21, 2026.

- **Heartbeat-Aware Multi-Agent Self-Healing for Availability Resilience in Sliced 5G AMI Networks**

  R. Younisse and M. AlKasassbeh

  Arabian Journal for Science and Engineering, Springer Nature, April 2026.

- **IoT Botnet Intrusion Detection System Using Federated Learning Techniques**

  A. Saleh, M. Alkasassbeh, and M. Almseidin

  Wireless Networks, pp. 1–17, 2026.

- **Kerberos-Blockchain Cross-Authentication: A Smart-Contract Framework for Vehicular Ad Hoc Networks (VANETs)**

  M. Alauthman, A. Aldweesh, A. Al-Qerem, G. Albesani, A. Mustafa, and M. Alkasassbeh

  Proceedings of the 2026 2nd International Conference on Computational Intelligence Approaches and Applications (ICCIAA), IEEE, 2026.

- **MuZero-Based Autonomous Cyber Defense Agents for Software-Defined Networks (SDN)**

  M. Alauthman, A. Aldweesh, A. Al-Qerem, A. Almomani, B. Khalaf, and M. Alkasassbeh

  Proceedings of the 2026 2nd International Conference on Computational Intelligence Approaches and Applications (ICCIAA), IEEE, 2026.

- **Sustainable AI Technologies: Challenges and Opportunities**

  M. A. Al Khaldy, A. Aldweesh, A. Al-Qerem, M. Alauthman, A. Almomani, and M. Alkasassbeh

  AI and Sustainability for Global Security, pp. 191–218, IGI Global Scientific Publishing, 2026.

2025

- **Next-Generation BI Adoption: Strategies to Overcome Organizational and Technical Barriers**

  M. Alauthman, A. Hamarsheh, A. Al-Qerem, M. Alkasassbeh, A. Aldweesh, and W. Alhassun

Strategic AI Integration in Business Intelligence, pp. 85–110, IGI Global Scientific Publishing, 2025.

- **AI-Driven Threat Detection in Business Intelligence Systems**

  M. M. Alzubi, M. Almseidin, M. Alkasassbeh, M. Bashabsheh, J. Al-Sawwa, and A. S. Mashaleh

  Strategic AI Integration in Business Intelligence, pp. 111–134, IGI Global Scientific Publishing, 2025.

- **Unlocking Efficiency Through BI-Driven Process Automation: Case Studies From Manufacturing and Logistics**

  A. Ishtaiwi, S. Alateef, and M. Alkasassbeh

  Driving Modern Business Intelligence Architecture for Operational Efficiency, pp. 307–326, IGI Global Scientific Publishing, 2025.

- **Zero Trust and Predictive Security in Business Intelligence Architectures**

  M. M. Alzubi, M. Almseidin, M. Alkasassbeh, M. Bashabsheh, J. Al-Sawwa, and A. S. Mashaleh

  Driving Modern Business Intelligence Architecture for Operational Efficiency, pp. 327–352, IGI Global Scientific Publishing, 2025.

- **AI Augmented Incident Response Playbooks: Aligning Policy Triggers With SOC Automation**

  M. Alauthman, A. Aldweesh, A. Al-Qerem, S. Alangari, and M. Alkasassbeh

  Cybersecurity Insurance Frameworks and Innovations in the AI Era, pp. 251–276, IGI Global Scientific Publishing, 2025.

- **A Self-Adaptive Intrusion Detection System for Zero-Day Attacks Using Deep Q-Networks**

  M. Alkasassbeh, E. H. Omoush, M. Almseidin, and A. Aldweesh

  IEEE Access, Vol. 13, pp. 174280–174296, 2025.

- **A Fog-Based Approach for Theft Detection and Zero-Day Attack Prevention in Smart Grid Systems**

  R. Younisse, M. AlKasassbeh, and A. Aldweesh

  Computers, Materials & Continua, 2025.

- **Breaking and Healing: GAN-Based Adversarial Attacks and Post-Adversarial Recovery for 5G IDSs**

  Y. Alslman, M. Alkasassbeh, and M. J. Abdel-Rahman

  IEEE Access, Vol. 13, pp. 132109–132125, 2025.

- **Advanced Technologies to Smart Grid Systems: Challenges and Demands**

R. B. Younisse, M. Alkasassbeh, and A. Aldweesh

IEEE Access, Vol. 13, pp. 117732–117752, 2025.

- **Hybrid Deep Neural Network Optimization with Particle Swarm and Grey Wolf Algorithms for Sunburst Attack Detection**

  M. Almseidin, A. Gawanmeh, M. Alzubi, J. Al-Sawwa, A. S. Mashaleh, and M. Alkasassbeh

  Computers, 14(3), 107, 2025.

- **Innovative Applications of Edge Computing and Machine Learning for Enhanced Efficiency and Security**

  N. A. Nameh, S. Almajali, A. Odeh, and M. Alkasassbeh

  Proceedings of the 2025 IEEE 11th International Conference on Edge Computing and Scalable Cloud (EdgeCom), NY, USA, 2025.

- **Next-Generation Critical Infrastructure Security: A Framework for Autonomous Defense Systems**

  M. Alauthman, A. Mashaleh, N. Aslam, M. Alkasassbeh, and A. Almomani

  Proceedings of the 1st International Conference on Computational Intelligence Approaches, 2025.

- **Evaluating Reinforcement Learning Reward Functions for APT Detection in Industrial IoT Systems**

  M. Alauthman, A. Aldweesh, A. Al-Qerem, I. Daoud, and M. Alkasassbeh

  Proceedings of the 1st International Conference on Computational Intelligence Approaches, 2025.

- **Evaluating Deep Learning for Detecting Data Integrity Attacks in Energy Smart Grids**

  R. Younisse and M. Alkasassbeh

  Proceedings of the International Conference on New Trends in Computing Sciences (ICTCS), 2025.

- **Streaming-Based Intrusion Detection System with Big Data and Online Learning Algorithms**

  A. Saleh, H. Mosa, and M. Alkasassbeh

  Proceedings of the 3rd International Conference on New Trends in Computing Sciences (ICTCS'25), 2025.

- **An Enhanced Model of DDoS Attacks Detection Using One-Hot Encoding of Feature Categories**

  S. Alodibat and M. Alkasassbeh

Proceedings of the 3rd International Conference on New Trends in Computing Sciences (ICTCS'25), 2025.

- **Self-Adaptive Moving Target Defense with Cyberdeception for Proactive Defense of IoT Networks**

  M. Alkasassbeh, A. Khalil, and M. Almseidin

  Proceedings of the 3rd International Conference on New Trends in Computing Sciences (ICTCS'25), 2025.

- **Automotive and Autonomous Vehicle Cybersecurity**

  M. Alauthman, M. S. Alkasassbeh, S. Alateef, A. Al-Qerem, and A. Almomani

  Complexities and Challenges for Securing Digital Assets and Infrastructure, Springer, 2025.

- **Privacy-Preserving Security: Balancing Protection and Data Utility in Digital Systems**

  M. Alauthman, M. S. Alkasassbeh, A. Al-Qerem, S. Alateef, and A. Almomani

  Complexities and Challenges for Securing Digital Assets and Infrastructure, Springer, 2025.

- **IoT Security Architecture Protecting Interconnected Digital Assets in Smart Environments**

  A. Al-Qerem, M. Alauthman, S. Alateef, M. Alkasassbeh, and A. Almomani

  Complexities and Challenges for Securing Digital Assets and Infrastructure, Springer, 2025.

- **Securing 5G Networks: Opportunities and Threats in Next-Generation Connectivity**

  M. Alauthman, A. Aldweesh, A. Al-Qerem, S. Alateef, and M. Alkasassbeh

  Complexities and Challenges for Securing Digital Assets and Infrastructure, Springer, 2025.

- **Blockchain Technology in Energy Supply Chain Management: A Path to Transparency, Efficiency, and Sustainability**

  S. Alateef, A. Aldweesh, M. Alauthman, M. Alkasassbeh, and A. Al-Qerem

  Blockchain Applications for the Energy and Utilities Industry, pp. 1–18, 2025.

- **Blockchain for Integrated Urban Water and Energy Management**

  A. Al Maqousi, A. Almomani, A. Al-Qerem, and M. Alkasassbeh

  Blockchain Applications for the Energy and Utilities Industry, pp. 55–80, 2025.

- **Securing Blockchain Solutions in the Energy Sector: Mitigating Advanced Persistent Threats (APTs)**

  M. Alauthman, A. Hamarsheh, A. Almomani, A. Aldweesh, S. Alateef, and M. Alkasassbeh

Blockchain Applications for the Energy and Utilities Industry, pp. 323–348, 2025.

- **Blockchain-Driven Zero-Trust Architectures for Critical Infrastructure**

  M. Alauthman, A. H. Al-Qerem, A. Aldweesh, M. Alkasassbeh, and A. Hamarsheh

  Blockchain Applications for the Energy and Utilities Industry, pp. 81–102, 2025.

- **AI and Blockchain Integration for Advanced Metering Infrastructure (AMI)**

  M. Alauthman, A. Almomani, A. Ahmad Al-Qerem, S. Alateef, A. Aldweesh, and M. Alkasassbeh

  Blockchain Applications for the Energy and Utilities Industry, pp. 213–234, 2025.

- **AI-Powered Smart Contracts for Energy Grid Optimization: A Hybrid Intelligence Approach**

  A. Ishtaiwi, A. Aldweesh, A. Al-Qerem, and M. Alkasassbeh

  Blockchain Applications for the Energy and Utilities Industry, pp. 235–264, 2025.

- **A Framework for Addressing Cybersecurity Risks in the Metaverse: Safeguarding Against Generative AI Threats**

  A. Ishtaiwi, A. Al-Qerem, A. Aldweesh, and M. Alkasassbeh

  Examining Cybersecurity Risks Produced by Generative AI, pp. 381–400, 2025.

- **Generative AI in Ransomware Evolution: Challenges and Countermeasures**

  A. Ishtaiwi, S. Alateef, and M. Alkasassbeh

  Examining Cybersecurity Risks Produced by Generative AI, pp. 329–356, 2025.

- **Synthetic Content Generation Impacts on Phishing and Impersonation Attacks**

  M. Alauthman, A. Aldweesh, A. Al-Qerem, M. Alkasassbeh, S. Alateef, and A. Almomani

  Examining Cybersecurity Risks Produced by Generative AI, pp. 189–210, 2025.

- **Behavioral Analysis of AI-Generated Malware: New Frontiers in Threat Detection**

  A. Almomani, S. Aoudi, A. Al-Qerem, A. Aldweesh, and M. Alkasassbeh

  Examining Cybersecurity Risks Produced by Generative AI, pp. 211–234, 2025.

- **Autonomous Cyber Defense in Smart Cities: An AI-Driven Framework for Integrated Urban Infrastructure Protection**

  A. Al Maqousi, K. Basu, A. Aldweesh, and M. Alkasassbeh

AI-Driven Security Systems and Intelligent Threat Response Using Autonomous Cyber Defense, pp. 465–500, 2025.

- **Federated Learning in Distributed Cyber Defense: Privacy-Preserving Collaborative Security Through Decentralized AI Training**

  M. Alauthman, A. Aldweesh, A. Al-Qerem, M. Alkasassbeh, S. Alateef, and A. Almomani

  AI-Driven Security Systems and Intelligent Threat Response Using Autonomous Cyber Defense, pp. 161–184, 2025.

- **Reinforcement Learning for Adaptive Cyber Defense Training Autonomous Systems for Dynamic Threat Response and Strategy Optimization**

  M. Alauthman, A. Aldweesh, A. Al-Qerem, S. Alateef, and M. Alkasassbeh

  AI-Driven Security Systems and Intelligent Threat Response Using Autonomous Cyber Defense, pp. 209–234, 2025.

- **Digital Twins and Social Intelligence for Urban Early Warning Systems**

  A. Al Maqousi, A. Al-Qerem, K. Basu, A. Aldweesh, and M. Alkasassbeh

  Revolutionizing Urban Development and Governance With Emerging Technologies, pp. 491–516, 2025.

- **Securing the Digital Backbone of Smart Cities: Threat Detection, Infrastructure Hardening, and Data Governance**

  M. Alauthman, W. Hadi, A. Al-Qerem, S. Alateef, M. A. Ashraf, and M. Alkasassbeh

  Revolutionizing Urban Development and Governance With Emerging Technologies, pp. 323–342, 2025.

- **Human-Centered Design for Smart Cities: Integrating Social Aspects in Planning and Policy**

  A. Al Maqousi, K. Basu, A. Almomani, and M. Alkasassbeh

  Revolutionizing Urban Development and Governance With Emerging Technologies, pp. 463–490, 2025.

- **Artificial Intelligence for Financial Risk Management and Analysis**

  M. Al Khaldy, A. Al-Qerem, A. Aldweesh, M. Alkasassbeh, and A. Almomani

  Artificial Intelligence for Financial Risk Management and Analysis, pp. 499–524, 2025.

- **Spark-Based Multi-Verse Optimizer as Wrapper Features Selection Algorithm for Phishing Attack Challenge**

  M. Almseidin, J. Al-Sawwa, M. Alkasassbeh, K. Alemerien, and R. Younisse

  Cluster Computing, 2025.

2024

- **Quantum Computing for Cybersecurity: A Comparative Study of Classical and Quantum Techniques**

  M. Alauthman, A. Almomani, A. Al-Qerem, M. A. Al Khaldy, A. Aldweesh, A. Y. Al Maqousi, and M. Alkasassbeh

  Innovations in Modern Cryptography, pp. 75–100, IGI Global Scientific Publishing, 2024.

- **Cryptography in Business Intelligence and Data Analytics**

  M. A. Al Khaldy, A. Ishtaiwi, A. Al-Qerem, A. Aldweesh, A. Almomani, and M. Alkasassbeh

  Innovations in Modern Cryptography, pp. 359–382, IGI Global Scientific Publishing, 2024.

- **Privacy-Preserving Machine Learning Cryptographic Techniques for Secure Data Analysis**

  M. Alauthman, A. Al-Qerem, A. Almomani, A. Aldweesh, F. Aburub, and M. Alkasassbeh

  Innovations in Modern Cryptography, pp. 413–438, IGI Global Scientific Publishing, 2024.

- **Cryptographic Protocols for Internet of Things (IoT) Security Lightweight Schemes and Practical Deployment**

  M. Alauthman, A. Aldweesh, A. Al-Qerem, A. Y. Al Maqousi, A. Almomani, and M. Alkasassbeh

  Innovations in Modern Cryptography, pp. 439–456, IGI Global Scientific Publishing, 2024.

- **A Stacked Ensemble Approach to Identify Internet of Things Network Attacks Through Traffic Analysis**

  A. Rawashdeh, M. Alkasassbeh, M. Alauthman, and M. Almseidin

  Bulletin of Electrical Engineering and Informatics, 13(6), pp. 4316–4326, 2024.

- **A Threefold Approach for Enhancing Fuzzy Interpolative Reasoning: Case Study on Phishing Attack Detection Using Sparse Rule Bases**

  M. Almseidin, M. Alzubi, J. Al-Sawwa, M. Alkasassbeh, and M. Alfraheed

  Computers, 13(11), 2024.

- **Comparative Analysis of Fuzzy Rule Interpolation Techniques Across Various Scenarios Using a Set of Benchmarks**

  M. Alzubi, M. Almseidin, M. Alkasassbeh, J. Al-Sawwa, and A. Aldweesh

  IEEE Access, Vol. 12, pp. 33140–33153, 2024.

- **EI-FRI: Extended Incircle Fuzzy Rule Interpolation for Multidimensional Antecedents, Multiple Fuzzy Rules, and Extrapolation Using Total Weight Measurement and Shift Ratio**

  M. Alzubi, M. Almseidin, S. Kovacs, J. Al-Sawwa, and M. Alkasassbeh

  Journal of Robotics and Control (JRC), 5(1), pp. 217–227, 2024.

- **Improved Search Method for Classified Reusable Components on Cloud Computing**

  A. Rawashdeh, M. Alkasassbeh, R. Dwairi, H. Abu-Salem, and H. Al-Mattarneh

  Indonesian Journal of Electrical Engineering and Computer Science (IJEECS), 2024.

- **RPL Routing Attacks Detection for IoT Networks Using Machine Learning**

  H. Mosa, A. Saleh, and M. Alkasassbeh

  Proceedings of The 2024 International Jordanian Cybersecurity Conference, 2024.

- **SGID: A Semi-Synthetic Dataset for Injection Attacks in Smart Grid Systems**

  R. Younisse and M. AlKasassbeh

  Proceedings of the 2024 15th International Conference on Information and Communication Systems (ICICS), 2024.

- **Malware Threats Targeting Cryptocurrency: A Comparative Study**

  M. Alauthman, A. Al-Qerem, M. Alkasassbeh, N. Aslam, and A. Aldweesh

  Proceedings of the 2024 2nd International Conference on Cyber Resilience (ICCR), pp. 1–8, 2024.

- **Cyberbullying Detection Using Deep Learning: A Comparative Study**

  M. Alkasassbeh, A. Almomani, A. Aldweesh, A. Al-Qerem, and M. Alauthman

  Proceedings of the 2024 2nd International Conference on Cyber Resilience (ICCR), pp. 1–6, 2024.

2023

- **DT-ARO: Decision Tree-Based Artificial Rabbits Optimization to Mitigate IoT Botnet Exploitation**

  J. Al-Sawwa, M. Almseidin, M. Alkasassbeh, M. Alzubi, and K. Alrfou

  Journal of Network and Systems Management, October 2023.

- **A Robust SNMP-MIB Intrusion Detection System Against Adversarial Attacks**

  Y. Alslman, M. Alkasassbeh, and M. Almseidin

Arabian Journal for Science and Engineering, September 2023.

- **An Early Detection Model for Kerberoasting Attacks and Dataset Labeling**

  R. Younisse, M. Alkasassbeh, M. Almseidin, and H. Abdi

  Jordanian Journal of Computers and Information Technology (JJCIT), Vol. 9, No. 1, March 2023.

- **Towards Generating a Practical SUNBURST Attack Dataset for Network Attack Detection**

  E. AlMasri, M. Alkasassbeh, and A. Aldweesh

  Computer Systems Science and Engineering, 47(2), pp. 2643–2669, 2023.

- **On Detecting Distributed Denial of Service Attacks Using Fuzzy Inference System**

  M. Almseidin, J. Al-Sawwa, M. Alkasassbeh, and M. Alweshah

  Cluster Computing, Vol. 26, pp. 1337–1351, 2023.

- **Machine Learning Techniques for Accurately Detecting the DNS Tunneling**

  M. Alkasassbeh and M. Almseidin

  Proceedings of the Computing Conference 2023, London, United Kingdom, 2023.

2022

- **Android Spyware Detection Using Machine Learning: A Novel Dataset**

  M. K. Qabalin, M. Naser, and M. Alkasassbeh

  Sensors, 22(15), August 2022.

- **Cyber-Phishing Website Detection Using Fuzzy Rule Interpolation**

  M. Almseidin, M. Alkasassbeh, M. Alzubi, and J. Al-Sawwa

  Cryptography, 6(2), 24, 2022.

- **An Accurate Detection Approach for IoT Botnet Attacks Using Interpolation Reasoning Method**

  M. Almseidin and M. Alkasassbeh

  Information, 13(6), 300, 2022.

- **An Efficient Enhanced K-Means Clustering Algorithm for Best Offer Prediction in Telecom**

  M. Fraihat, S. Fraihat, M. Awad, and M. Alkasassbeh

International Journal of Electrical and Computer Engineering, 12(3), pp. 2931, 2022.

- **Generating a Benchmark Cyber Multi-Step Attacks Dataset for Intrusion Detection**

  M. Almseidin, J. Al-Sawwa, and M. Alkasassbeh

  Journal of Intelligent & Fuzzy Systems, pp. 1–15, 2022.

- **Intrusion Detection Systems: A State-of-the-Art Taxonomy and Survey**

  M. Alkasassbeh and S. A. H. Baddar

  Arabian Journal for Science and Engineering, 2022.

- **Diabetic Retinopathy Detection Method Using Artificial Neural Network**

  I. Odeh, M. Alkasassbeh, and M. Almseidin

  International Journal of Bioinformatics Research and Applications, 2022.

- **A Proposed Darknet Traffic Classification System Based on Max Voting Algorithms**

  A. Almomani, M. Alauthman, M. Alkasassbeh, G. Samara, and R. W. Liu

  Proceedings of the ICSPN-2022: International Conference on Cyber Security, Privacy and Networking, November 2022.

- **SRP-Blockchain: A Framework for Scientific Research Profile on the Blockchain**

  A. Aldweesh, H. Alatwi, M. Alauthman, and M. Alkasassbeh

  Proceedings of ETCEA2022 - The International Conference on Emerging Trends in Computing and Engineering Applications, November 2022.

- **Energy Efficiency Wireless Sensor Networks Protocols: A Survey**

  G. Samara, A. Almomani, M. Alauthman, and M. Alkasassbeh

  Proceedings of ETCEA2022 - The International Conference on Emerging Trends in Computing and Engineering Applications, November 2022.

- **Unknown Attack Detection Based on Multistage One-Class SVM**

  A. Alkhamaiseh, M. Alkasassbeh, and J. Al-Saraireh

  Proceedings of ETCEA2022 - The International Conference on Emerging Trends in Computing and Engineering Applications, November 2022.

2021

- **Accurate Detection of Network Anomalies Within SNMP-MIB Data Set Using Deep Learning**

G. Al-Naymat, H. Hussain, M. Alkasassbeh, and N. Al-Dmour

International Journal of Computer Applications in Technology, 66(1), pp. 74–85, 2021.

- **Anomaly-Based Intrusion Detection System Using Fuzzy Logic**

  M. Almseidin, J. Al-Sawwa, and M. Alkasassbeh

  Proceedings of the 2021 International Conference on Information Technology (ICIT), June 2021.

- **Diabetic Retinopathy Detection Using Ensemble Machine Learning**

  I. Odeh, M. Alkasassbeh, and M. Alauthman

  Proceedings of the 2021 International Conference on Information Technology (ICIT), June 2021.

2020

- **An Efficient Approach to Detect IoT Botnet Attacks Using Machine Learning**

  Z. Alothman, M. Alkasassbeh, and S. A. H. Baddar

  Journal of High Speed Networks, 26(3), pp. 241–254, December 2020.

- **LightGBM Algorithm for Malware Detection**

  M. Alkasassbeh, M. A. Abbadi, and A. M. Al-Bustanji

  Advances in Intelligent Systems and Computing, Vol. 1230, pp. 391–403, June 2020.

- **Robust Intelligent Malware Detection Using LightGBM Algorithm**

  M. A. Abbadi, A. M. Al-Bustanji, and M. Alkasassbeh

  International Journal of Innovative Technology and Exploring Engineering (IJITEE), April 2020.

- **Detection of IoT-Botnet Attacks Using Fuzzy Rule Interpolation**

  M. Alkasassbeh, M. Almseidin, K. Alrfou, and S. Kovacs

  Journal of Intelligent & Fuzzy Systems, March 2020.

- **An Efficient Reinforcement Learning-Based Botnet Detection Approach**

  M. Alauthman, N. Aslam, M. Alkasassbeh, S. Khan, and K. K. R. Choo

  Journal of Network and Computer Applications, 150(15), January 2020.

- **Network Attack Detection With SNMP-MIB Using Deep Neural Network**

M. Alkasassbeh and M. Z. Khairallah

Handbook of Research on Intrusion Detection Systems, pp. 66–76, 2020.

- **Feature Selection Using a Machine Learning to Classify a Malware**

  M. Alkasassbeh, S. Mohammed, M. Alauthman, and A. Almomani

  Handbook of Computer Networks and Cyber Security, pp. 889–904, 2020.

- **Intelligent Methods for Accurately Detecting Phishing Websites**

  A. Abuzuraiq, M. Alkasassbeh, and M. Almseidin

  Proceedings of the 11th International Conference on Information & Communication Systems, April 2020.

2019

- **Winning Tactics with DNS Tunnelling**

  M. Alkasassbeh and T. Khairallah

  Network Security, 2019(12), pp. 12–19, December 2019.

- **Phishing Detection Based on Machine Learning and Feature Selection Method**

  M. Almseidin, A. A. Zuraiq, M. Alkasassbeh, and N. Alnidami

  International Journal of Interactive Mobile Technologies (iJIM), 13(12), December 2019.

- **Feature Selection Using a Machine Learning to Classify a Malware**

  M. Alkasassbeh, S. Mohammed, M. Alauthman, and A. Almomani

  Computer Networks and Cyber Security: Principles and Paradigms, Springer Nature, November 2019.

- **A Novel Leader Election Algorithm For Honeycomb Mesh Networks**

  M. Al-Refai, Y. Alrabanah, M. Alauthman, A. Almomani, M. Alkasassbeh, and M. Alweshah

  Journal of Theoretical and Applied Information Technology, 97(14), July 2019.

- **A General Structure for Improving the Lifetime and Stability Period of Wireless Sensor Networks**

  M. A. Abbadi, M. Alkasassbeh, and A. Al Saudi

  IJCSNS International Journal of Computer Science and Network Security, 19(5), May 2019.

- **Fuzzy Automaton as a Detection Mechanism for the Multi-Step Attack**

M. Almseidin, I. Piller, M. Alkasassbeh, and S. Kovacs

International Journal on Advanced Science, Engineering and Information Technology, 9(2), March 2019.

- **Revisiting the Gentle Parameter of the Random Early Detection (RED) for TCP Congestion Control**

  N. Hamadneh, M. Alkasassbeh, I. Obiedat, and M. BaniKhalaf

  Journal of Communications, 14(3), 2019.

- **Fuzzy Rule Interpolation and SNMP-MIB for Emerging Network Abnormality**

  M. Almseidin, M. Alkasassbeh, and S. Kovacs

  International Journal on Advanced Science, Engineering and Information Technology, 9(3), 2019.

- **Intensive Pre-Processing of KDD Cup 99 for Network Intrusion Classification Using Machine Learning Techniques**

  I. Obeidat, N. Hamadneh, M. Alkasassbeh, M. Almseidin, and M. I. AlZubi

  International Journal of Interactive Mobile Technologies (iJIM), 13(1), 2019.

- **A Proactive Design to Detect Denial of Service Attacks Using SNMP-MIB ICMP Variable**

  Y. K. Shaheen and M. Alkasassbeh

  Proceedings of The 2nd International Conference on New Trends in Computing Sciences, pp. 62–67, November 2019.

- **Detecting Network Anomalies Using Machine Learning and SNMP-MIB Dataset with IP Group**

  A. Manna and M. Alkasassbeh

  Proceedings of The 2nd International Conference on New Trends in Computing Sciences, pp. 51–55, November 2019.

- **Detecting Slow Port Scan Using Fuzzy Rule Interpolation**

  M. Almseidin, M. Alkasassbeh, and S. Kovacs

  Proceedings of The 2nd International Conference on New Trends in Computing Sciences, pp. 33–38, November 2019.

- **Review: Phishing Detection Approaches**

  A. A. Zuraiq and M. Alkasassbeh

Proceedings of The 2nd International Conference on New Trends in Computing Sciences, pp. 27–32, November 2019.

2018

- **Using Machine Learning Methods for Detecting Network Anomalies Within SNMP-MIB Dataset**

  G. Al-Naymat, M. Alkasassbeh, and E. Al-Hawari

  International Journal of Wireless and Mobile Computing, 15(1), pp. 67–76, 2018.

- **Pairs Trading Strategy: A Recommendation System**

  G. Al-Naymat, M. Alkasassbeh, and Z. Sober

  International Journal of Computers and Applications, Taylor & Francis, pp. 1–11, 2018.

- **Magnetic Energy-Based Feature Extraction for Low-Quality Fingerprint Images**

  A. B. A. Hassanat, V. B. S. Prasath, M. Alkasassbeh, A. S. Tarawneh, and A. J. Al-shamailh

  Signal, Image and Video Processing, pp. 1–8, 2018.

- **Machine Learning Methods for Network Intrusion Detection**

  M. Alkasassbeh and M. Almseidin

  Proceedings of ICCCNT 2018 - The 20th International Conference on Computing, Communication and Networking Technologies, 12(8), 2018.

- **Exploiting SNMP-MIB Data to Detect Network Anomalies Using Machine Learning Techniques**

  G. Al-Naymat, M. Alkasassbeh, and E. Al-Hawari

  Proceedings of Intelligent Systems Conference, pp. 1204–1209, 2018.

- **A Novel Hybrid Method for Network Anomaly Detection Based on Traffic Prediction and Change Point Detection**

  M. Alkasassbeh

  Journal of Computer Sciences, Vol. 14, Issue 2, pp. 153–162, 2018.

- **An Anomaly Based Approach for DDoS Attacks Detection in Cloud Environment**

  A. Rawashdeh, M. Alkasassbeh, and M. Hawari

  International Journal of Computer Applications in Technology, 57(4), 2018.

2015 – 2017

- **An Empirical Evaluation for the Intrusion Detection Features Based on Machine Learning and Feature Selection Methods**

  M. Alkasassbeh

  Journal of Theoretical and Applied Information Technology, 95(22), 2017.

- **Evaluation of Machine Learning Algorithms for Intrusion Detection System**

  M. Almseidin, M. Alzubi, S. Kovacs, and M. Alkasassbeh

  Proceedings of the 2017 IEEE 15th International Conference on Intelligent Systems and Informatics (SISY), 2017.

- **Comparative Analysis of Clustering Techniques in Network Traffic Faults Classification**

  K. Qader, M. Adda, and M. Alkasassbeh

  International Journal of Innovative Research in Computer and Communication Engineering, 5(4), 2017.

- **Classification of VoIP and Non-VoIP Traffic Using Machine Learning Approaches**

  G. Al-Naymat, M. Alkasassbeh, N. Abu-Samhadanh, and S. Sakr

  Journal of Theoretical and Applied Information Technology, 92(2), pp. 403–414, 2016.

- **Towards Generating Realistic SNMP-MIB Dataset for Network Anomaly Detection**

  M. Alkasassbeh, G. Al-Naymat, and E. Al-Hawari

  International Journal of Computer Science and Information Security, Vol. 14, No. 9, pp. 1162–1185, 2016.

- **Dynamics-Based Approach for Accurate User Identification and Authentication Using Machine Learning Techniques**

  G. Al-Naymat, M. Alkasassbeh, A. Hassanat, and A. Al-Tarawneh

  Proceedings of the International Conference on Information Technology and Applications, Sydney, Australia, July 2016.

- **Color-Based Object Segmentation Method Using Artificial Neural Network**

  A. B. A. Hassanat, M. Alkasassbeh, M. Al-awadi, and A. A. Esra'a

  Simulation Modelling Practice and Theory, March 2016.

- **Enhancing Genetic Algorithms Using Multi Mutations**

A. Hassanat, E. Alkafaween, N. A. Al-Nawaiseh, M. A. Abbadi, and M. Alkasassbeh

arXiv preprint arXiv:1602.08313, 2016.

- **Detecting Distributed Denial of Service Attacks Using Data Mining Techniques**

  M. Alkasassbeh, G. Al-Naymat, A. Hassanat, and M. Almseidin

  International Journal of Advanced Computer Science and Applications (IJACSA), Vol. 7, No. 1, 2016.

- **Colour-Based Lips Segmentation Method Using Artificial Neural Networks**

  A. Hassanat, M. Alkasassbeh, M. Al-awadi, and E. A. A. Alhasanat

  Proceedings of the 2015 6th International Conference on Information and Communication Systems (ICICS), Amman, Jordan, 2015.

- **On Enhancing the Performance of Nearest Neighbour Classifiers Using Hassanat Distance Metric**

  M. Alkasassbeh, G. A. Altarawneh, and A. B. A. Hassanat

  Canadian Journal of Pure and Applied Sciences, Vol. 9, No. 1, 2015.

2005 – 2014

- **Artificial Neural Networks for Surface Ozone Prediction: Models and Analysis**

  H. Faris, M. Alkasassbeh, and A. Rodan

  Polish Journal of Environmental Studies, 23(2), 2014.

- **PM10 Prediction Using Genetic Programming: A Case Study in Salt, Jordan**

  H. Faris, M. Alkasassbeh, N. Ghatasheh, and O. Harfoushi

  Life Science Journal, 11(2), 2014.

- **Customer Churn Prediction Using a Hybrid Genetic Programming Approach**

  R. Obiedat, M. Alkasassbeh, H. Faris, and O. Harfoushi

  Scientific Research and Essays, 8(27), pp. 1289–1295, 2013.

- **A Genetic Programming Model for S&P 500 Stock Market Prediction**

  A. Sheta, H. Faris, and M. Alkasassbeh

  International Journal of Control and Automation, 6(5), pp. 303–314, 2013.

- **Prediction of PM10 and TSP Air Pollution Parameters Using Artificial Neural Network Autoregressive, External Input Models: A Case Study in Salt, Jordan**

M. Alkasassbeh, A. F. Sheta, H. Faris, and H. Turabieh

Middle-East Journal of Scientific Research, 14(7), pp. 999–1009, 2013.

- **Predicting of Surface Ozone Using Artificial Neural Networks and Support Vector Machines**

  M. Alkasassbeh

  International Journal of Advanced Science and Technology, Vol. 55, 2013.

- **Detection of Oil Spills in SAR Images Using Threshold Segmentation Algorithms**

  A. Sheta, M. Alkasassbeh, M. Braik, and H. A. Ayyash

  International Journal of Computer Applications, Vol. 57, 2012.

- **Predicting Stock Abundance of the Barents Sea Capelin Using Genetic Programming**

  H. Faris, M. Alkasassbeh, and A. Sheta

  International Review on Computers and Software (IRECOS), 7(4), 2012.

- **Network Intrusion Detection with Wiener Filter-Based Agent**

  M. Alkasassbeh

  World Applied Sciences Journal, 13(11), pp. 2372–2384, 2011.

- **Change Detection Methods for Computer Network Problems**

  M. Alkasassbeh

  World Applied Sciences Journal, 13(11), pp. 2364–2371, 2011.

- **Network Fault Detection with Wiener Filter-Based Agent**

  M. Alkasassbeh and M. Adda

  Journal of Network and Computer Applications (Elsevier), 2009.

- **Network Fault Detection Based on Wiener Filter**

  M. Alkasassbeh and M. Adda

  Proceedings of the Third International Conference on Internet Technologies and Applications (ITA 09), Wrexham, North Wales, UK, September 2009.

- **Analysis of Mobile Agents in Network Fault Management**

  M. Alkasassbeh and M. Adda

Journal of Network and Computer Applications (Elsevier), Vol. 31, Issue 4, pp. 699–711, November 2008.

- **The Architecture of the Intelligent Mobile Agent in Network Fault Management**

  M. Alkasassbeh and M. Adda

  Proceedings of the International Conference on Computer Science and Information Systems, Athens, 2006.

- **A Survey of Network Fault Management**

  M. Alkasassbeh, M. Adda, and A. Peart

  Proceedings of the IADAT 2nd International Conference on Telecommunications and Computer Networks, Portsmouth, UK, September 2005.

- **Communication Issues in Large Scale Wireless Ad Hoc Networks**

  M. Adda, G. Owen, M. Kasassbeh, A. Paraskelidis, and A. Peart

  Proceedings of the International Conference on Computer Science and Information Systems, Athens, 2005.

Editorial, Peer-Review & Professional Service

- Journal Of Network And Computer Applications.
- Journal Of Computer Science.
- The International Arab Journal Of Information Technology- IAJIT.
- KSII Transactions On Internet And Information Systems
- Sensors
- Information
- Computers
- Future Internet
- Cluster Computing
- Transactions On Emerging Telecommunications Technologies
- Applied Sciences
- Applied System Innovation
- Electronics
- IEEE Transactions On Network And Service Management
- International Multi-Conference On Complexity, Informatics And Cybernetics
- Journal Of AI And Data Mining
- Journal Of Intelligent & Fuzzy Systems
- Mathematics

Books

Mobile Agents for Network Fault Detection Based on the Wiener Filter

ISBN: 9783639174366
Published: 30 June 2009

Postgraduate Supervision & Research Mentorship

Yasmeen Alslman,2024 - 2026 **A Novel Framework For Optimized Generative Adversarial Networks-Based Attacks Against Intrusion Detection Systems**, PSUT, jordan

Remah Younisse,2024 - 2026 **A Resilient And Secure Framework For 5G-Enabled Smart Grid Systems Using Multi-Agent Reinforcement Learning And Fog Computing**, PSUT, jordan

Ali Trawnih . 2015- 2019 PhD. **A new e-readiness framework for Jordanian municipalities: the development and application of a technological, organisational and environmental model**. University of Gloucestershire, UK

Mohammad Abdallah Almseidin. supervisor. 2014-2015 M.Sc. Thesis. **Detection and Classification DDoS Attack using Artificial Neural Network**. Information technology department, Mutah University, Jordan.

Ahmad Ayman Al-Tarawneh. supervisor. 2014-2015 M.Sc. Thesis. **Machine learning for user authentication using keystroke dynamics**. Information technology department, Mutah University, Jordan.

Nosaiba Hamdan Abu-Samhadanh. supervisor. 2014-2015 M.Sc. Thesis. **Computer Network Traffic Classification Using Machine Learning Technique**. Information technology department, Mutah University, Jordan.

Eshraq Mohammad Al-Hawari. supervisor. 2014-2015 M.Sc. Thesis. **A Mechanism for Detecting and Classifying Network Anomaly Using SNMP- MIB**. Information technology department, Mutah University, Jordan.

Alaa Ahmad Lasasmeh. supervisor. 2014-2015 M.Sc. Thesis. **Anomaly Detection in Wireless Sensor Networks (WSNs) by using Machine Learning Techniques**. Information technology department, Mutah University, Jordan.

Esraa Abdelsalam Hasanat. Co-supervisor. 2014-2015 M.Sc. Thesis. **Automated Positioning for Towers and Antenna in WiMAX Networks**. Information technology department, Mutah University, Jordan.

Muna Suleiman Ali AL-Hawawreh. supervisor. 2015-2016 M.Sc. Thesis. **Securing Virtual Cloud Environment from DDoS**. Information technology department, Mutah University, Jordan.

Ahmad AlShamayleh. supervisor. 2015-2016 M.Sc. **New Features Extraction Technique for Low Quality Fingerprints.** Information technology department, Mutah University, Jordan.

Esra Edenat. supervisor. 2016-2017 M.Sc. **Using MPLS to effectively transmit huge traffic amount in SDN.** Information technology department, Mutah University, Jordan

Ameen Al-Mseidein. supervisor. 2017-2018 MSc. **A General Adaptive Structure for Improving the Lifetime and Stability Period of Wireless Sensor Networks**. Information technology department, Mutah University, Jordan

Remah Shaher Al-Thunebat. supervisor. 2018-2019 MSc. **A Load Balancing in Cloud Computing Performance: Empirical Study**. Information technology department, Mutah University, Jordan

Ahmed M. Al-Bustanji. supervisor. 2018-2019 MSc. **Accurate Malware Detection using LightGBM Algorithm**. Information technology department, Mutah University, Jordan.

Omar Hamad Naser Al-Smeheen. supervisor. 2019-2020 MSc. **Dimensionality Reduction for DDOS Database**
Using PCA. Information technology department, Mutah University, Jordan.

Nisreen Raeq. supervisor. 2019-2020 MSc. **Multi Mobile Agents Planning for collecting MIB data:Dynamic Time-Effective Approach**. Princess Sumaya University for Technology, Jordan

AlMaha Abu Zuraiq. supervisor.. 2019-2020 MSc. **Intelligent Methods for Accurately Detecting Phishing Websites**. Princess Sumaya University for Technology, Jordan

Malak Ziyad Fraihat . supervisor. 2019-2020 MSc. **New Clustering Approach to Predict the Best Customers**. Princess Sumaya University for Technology, Jordan.

Asshar khamaiseh. supervisor. 2021-2022 MSc. **Unknown Attack Detection based on Multistage One-Class SVM**. Princess Sumaya University for Technology, Jordan.

Zain Salah Ashi. supervisor. 2021-2022 MSc. **Multi-Layered Intelligent Cyber Attack DetectionUsing One-Class SVM**. Princess Sumaya University for Technology, Jordan.

Rama Al Attar. supervisor. 2021-2022 MSc. **Soft computing for anomaly detection to mitigate IoT abuse**. Princess Sumaya University for Technology, Jordan.

Ehab Ali Almasri . supervisor. 2022-2023 MSc. **Towards Generating a Practical SUNBURST Attack Dataset for Network Attack Detections.** . Princess Sumaya University for Technology, Jordan.

Master's Thesis Examination Committees

Nafea Ali Majeed Alhammadi. 2016. **Comparative Study between (SVM) and (KNN) Classifiers after adding (PCA) to Improve of Intrusion Detection System**. M.Sc. Faculty of Information Technology, Middle East University. Amman, Jordan.

Heba Hashim Al-Nsour. 2016. **Grey wolf optimizer algorithm with probabilistic neural.** Faculty of Graduate Studies at Al-Balqa' Applied University Salt, Jordan.

Moad Abu Qadoura.2016. **Flower Pollination Algorithm with an Artificial Neural Network for Solving classification problems** . Faculty of Information Technology at Al-Balqa' Applied University Salt, Jordan.

Mohammed Jamal Al-Saaidah.2017. **Enhancement of Queuing Algorithm for improving Network Performance**. Faculty of Information Technology at Al-Balqa' Applied University Salt, Jordan.

Ibrahem Ahmad Alhabash.2017. **TOPOLOGY AWARE MEDIA ACCESS CONTROL PROTOCOL FOR MOBILE AD HOC NETWORK**. King Abdullah School of IT - University of Jordan, Jordan.

Hamza Bassam Bani Ata. 2018. **A Model for Privacy in Mobile Cloud Computing Systems**. King Abdullah School of IT - University of Jordan, Jordan.

Farah Tawfiq Abu-Dabaseh.2018. **Web Applications Forensics for Smartphones**. King Abdullah I School of Graduate Studies and Scientific Research, Princess Sumaya University for Technology

Sarah Khaldun . 2021.. **Blockchain Based E-Voting System for Elections in Jordan :** King Abdullah I School of Graduate Studies and Scientific Research, Princess Sumaya University for Technology

Mo'ath Salem Shatnawi, 2023. **Detecting Emergency Vehicles On Road Networks: A Novel Generated Dataset Using Gans**, Deanship of Academic Research and Graduate Studies Philadelphia University

PhD Thesis Examination Committees

P.Periyasamy, 2016. **Design and Development Of Link Reliable Energy Efficient Ad Hoc On-Demand Multipath Distance Vector (LR-EE-AOMDV) Routing Protocol For Mobile Ad Hoc Networks.** Doctor Of Philosophy In Computer Science (PhD) Bharathiar University, India.

O. AbuAlghanam,2020. **Lightweight Key Distribution Protocol for Internet of Things.** Doctor Of Philosophy In Computer Science (PhD) Jordan University, Jordan.

H.Alazzam,2020. **An Automatic Lightweight Intelligent Intrusion Detection System For Cyber Security**. Doctor Of Philosophy In Computer Science (PhD) Jordan University, Jordan.

E. Rawashdeh,2020. **A Coevolutionary Framework For Feature Selection And Optimization Of Neural Networks**. Doctor Of Philosophy In Computer Science (PhD) Jordan University, Jordan.

Orieb Talal AbuAlghanam.2021. **Lightweight Key Distribution Protocol for Internet of Things**. Doctor Of Philosophy In Computer Science (PhD) Jordan University, Jordan.

Muhyidean Khaled AlTarawneh .2021. **Data Analytics Framework for Permissioned Blockchains: Hyperledger Fabric**. Doctor Of Philosophy In Computer Science (PhD) Jordan University, Jordan.

Ola Majed Malkawi .2023. **USING MACHINE LEARNING TO DESIGN AND IMPLEMENT AN INTRUSION DETECTION SYSTEM TO SECURE SMART CITIES BASED ON FEATURE SELECTION**. Doctor Of Philosophy In Computer Science (PhD) Jordan University, Jordan.

Academic & Administrative Experience

Sept 25– Present		Assistant to the President - Princess Sumaya University for Technology (PSUT), Jordan
Sept 18– Present		**Full Professor -** *Computer Sciences Department -King Hussien School for Computing Sciences, Princess Sumaya, University for Technology, Jordan.*
Aug 18 – Sept 18		**Full Professor -** *Computer Sciences Department – Mutah University, Jordan*
Sept 17 – Aug 18		**Associate Professor -** *Computer Sciences Department – Mutah University, Jordan*
Sept 16 – Sept 17		**Associate Professor -** *King Hussien School for Computing Sciences, Princess Sumaya, University for Technology, Jordan (**sabbatical leave**)*
Aug 13 – Sept 16		**Associate Professor -** *IT Department – Mutah University, Jordan*
Sept 13 – Sept 14		**Head of IT Department** - Mutah *University, Jordan*
Jun 11 – Sept 13		**Postdoc Leiden University, Netherlands** (Summer time each year)
Aug 08 – Aug 13		**Assistant Professor -** *IT Department Mutah University, Jordan*
Aug 08 – Aug 10		**Head of the Computer Science Department,** *IT Department Mutah University, Jordan* **. (**military wing**)**
Nov 05 – May 08		**Part-time Lecturer -** *Computer Sciences Department, Portsmouth University, UK*
Jan 00 – Sept 03		**Computer Programmer -** *Computer Centre, Mutah University, Jordan*
Oct 99 – Jan 00		**Teacher -** *Ministry of Education, Jordan*
Sept 98 – Sept 99		**Computer Programmer and Instructor -** *Saudi Arabia*
Feb 98 – Aug 98		**Computer Programmer –** *National Support Office, Jordan*

Education And Certification

Education

2005 – 2008	**PhD Computer Science -** *University of Portsmouth, UK* Specialty Network Security: Thesis title *"Mobile Agents for Network Fault Detection Based on Wiener Filter".*
2003 – 2004	**MSc in Internet Systems Development -** *University of Portsmouth, UK* Specialty Internet Systems.
1994 – 1998	**BSc in Computer Science -** *Mutah University, Jordan* Specialty Internet Systems.
1993 – 1994	**Scientific Stream –** *High School, Al karak, Jordan*

Certification

- The Complete Nmap Ethical Hacking Course : Network Security
- Learn Burp Suite, the Nr. 1 Web Hacking Tool
- Kali Linux Web App Pentesting Labs
- Cisco CCNA Network Security Packet Tracer Activities
- Hacking From Scratch
- Cisco CCNA Network Security Packet Tracer Activities Guide
- 5G Network Security
- Cisco Certified Network Associate Routing & Switching (CCNA)
- CCNA Security
- CA-OpenIngres User Interface
- CA-OpenIngres SQL
- Application Development in CA-Windows 4GL (CA OpenROAD) DEVWOR

Teaching

Level	Course Name	Course No
PhD	Computer and Network Security	11932
PhD	Advanced Computer Networks	11934
Master	Advance Computer Network	0304720
Master	Computer Simulation	0304730
Master	Network Security	0304740
Master	Design and Development of e-business	1901716
Master	Management Information Systems	1901761
Master	Introduction of Information Technology	1901717
Master	Supervision of Master's Dissertation	

Undergrad	Computer Network	0304424
Undergrad	Internet Programming	0304424
Undergrad	eCommerce Technology	0304431
Undergrad	C++ Programming	0304112
Undergrad	Final Year Projects	0307614
Undergrad	Java Programming	0304215

Research Interests

- Network Traffic Analysis
- Time Series Analysis
- Intelligent Mobile Agent Systems
- Computer Network Security
- Cloud computing
- Network Fault Detection
- AI and machine learnings in network security
- Intrusion Detections Systems (IDS)
- SDN and Traffic engineering
- Router queuing

Referees

Name:	Prof. Mo Adda
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Relationship:	Relationship: PhD main supervisor
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Organization:	Department of Computing Sciences, Texas A&M University – Corpus Christi, TX, USA.
Webpage:	https://sci.tamucc.edu/member.php?who=asheta&program=cosc
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