

PERSONAL INFORMATION

Dr. Raad S. Al-Qassas

Princess Sumaya University for Technology (PSUT), Amman, Jordan

📍 P. O. Box 1438 Amman 11941 Jordan

☎ +962 6 53 59 967

✉ raad@psut.edu.jo

WORK EXPERIENCE

Academic Positions

<u>Position</u>	<u>Institution</u>	<u>Dates Held</u>
Associate Professor	Princess Sumaya University for Technology, Jordan	2016 – Present
Assistant Professor	Princess Sumaya University for Technology, Jordan	2007 – 2016

Administrative Positions

<u>Position</u>	<u>Institution</u>	<u>Dates Held</u>
Head of Cybersecurity Department	Princess Sumaya University for Technology, Jordan	Sep 2026 – Present
Head of Computer Science Department	Princess Sumaya University for Technology, Jordan	Sep 2020 – Sep 2022

EDUCATION

2007	PhD	Computer Science	University of Glasgow, UK
2003	MSc	Computer Science	Al al-Bayt University, Jordan
1999	BSc	Computer Science	Yarmouk University, Jordan

TEACHING

Postgraduate level

- Data Communications and Networking
- Research Methodology Seminar
- Business Data Communications and Networks

Undergraduate level

- Data Communication and Computer Networks
- Wireless Networks and Applications
- System Analysis and Design
- E-business
- Computer and Society
- Object Oriented Programming
- Visual Programming
- Introduction to Computer Science

Memberships

- 2004 – Present, IEEE
- 2013 – Present, ACM

SELECTED PUBLICATIONS:

- **Al-Qassas, R.S.**, Qasaimeh, M.; Randomness-Driven Evaluation of SPN-Based Lightweight Ciphers for IoT Applications, *IoT*, vol. 7, no. 2, 2026, 44. <https://doi.org/10.3390/iot7020044>
- Qasaimeh, M., Nakhleh, S., **Al-Qassas, R. S.**, Abdallah, A.A., Yasin, M.; Robustness of AraBERT models to black-box adversarial deletions and perturbations, *International Journal of Speech Technology*, vol. 29, 2026, Article 4.
- Al-Mashaqbeh, S., Qasaimeh, M., **Al-Qassas, R. S.**, Alsarhan, A., Alshammari, N. H., Alshammari, R. R.; Adaptive and Secure Three-Level Steganography Scheme with Random Distribution and Parity Coding, *IEEE Access*, vol. 14, 2026, pp. 34769–34789.
- **Al-Qassas R.**, Qasaimeh M.; An Empirical Evaluation of Link Quality Utilization in ETX Routing for VANETs, *PeerJ Computer Science*, vol 10, 2024, e2259.
- Nasereddin, M., **Al-Qassas, R**; A New Approach for Detecting Process Injection Attacks Using Memory Analysis, *International Journal of Information Security*, vol. 23, no. 3, 2024, pp. 2099–2121.
- Al-Tawara, F., Qasaimeh, M., Jarad, D., **Al-Qassas, R.S.**; Utilizing the Blockchain Technology for Higher Education in the Era of Pandemics: A Systematic Review, 14th International Conference on Information and Communication Systems (ICICS), Irbid, Jordan, 2023, pp. 1-6.
- Nasereddin, M., ALKhamaiseh, A., Qasaimeh, M., **Al-Qassas, R.S.**; A systematic review of detection and prevention techniques of SQL injection attacks, *Information Security Journal*, vol. 32, no. 4, 2023, pp. 252–265.
- Qasaimeh, M., Halemah, N.A., Rawashdeh, R., **Al-Qassas, R.S.**, Qusef, A.; Systematic Review of E-commerce Security Issues and Customer Satisfaction Impact, International Conference on Engineering and MIS (ICEMIS), 04-06 July 2022, Istanbul, Turkey, 2022.
- Qasaimeh, M., Abu Hammour, R., Yassein, M. B., **Al-Qassas, R.S.**, Torralbo, J. A. L., Lizcano, D.; Advanced security testing using a cyber-attack forecasting model: A case study of financial institutions, *Journal of Software: Evolution and Process*, vol. 34, no. 11, 2022, e2489.
- **Al-Qassas, R.S.**, Qasaimeh, M.; Data Fusion and the Impact of Group Mobility on Load Distribution on MRHOF and OF0, *Cybernetics and Information Technologies*, vol. 22, no. 1, 2022, pp. 77–94.
- **Al-Qassas, R.S.**; The Impact of Varying Sinks on Load Distribution in IoT Routing Under Static and Mobile Scenarios, *Recent Advances in Computer Science and Communications*, vol. 14, no. 9, 2021, pp. 2742–2753.
- Qasaimeh, M., **Al-Qassas, R.S.**, Ababneh, M.; Software design and experimental evaluation of a reduced AES for IoT applications, *Future Internet*, vol. 13, no. 11, 2021, 273.
- Yaseen, Y. A., Qasaimeh, M., **Al-Qassas, R.S.**, Al-Fayoumi, M.; Email fraud attack detection using hybrid machine learning approach, *Recent Advances in Computer Science and Communications*, vol. 14, no. 5, 2021, pp. 1370–1380.
- Al Batayneh, A. A., Qasaimeh, M., **Al-Qassas, R.S.**; A Scoring System for Information Security Governance Framework Using Deep Learning Algorithms: A Case Study on the Banking Sector, *Journal of Data and Information Quality*, vol. 13, no. 2, 2021, pp. 1-34.
- Qasaimeh, M., **Al-Qassas, R.S.**, Moh`d, F., Aljawarneh, S.; A Novel Simplified AES Algorithm for Lightweight Real-Time Applications: Testing and Discussion, *Recent Advances in Computer Science and Communications*, vol. 13, no. 3, 2020, pp. 435-445.
- Qasaimeh, M., **Al-Qassas, R.S.**, Aljawarneh, S.A.; Recent Development in Smart Grid Authentication Approaches: A Systematic Literature Review. *Cybernetics and Information Technologies*, vol. 19, 2019, pp. 27-52.
- Hammour, R.A., Gharaibeh, Y.A., Qasaimeh, M., **Al-Qassas, R.S.**; The status of information security systems in banking sector from social engineering perspective, *Proceedings of the Second International Conference on Data Science, E-Learning and Information Systems (DATA '19)*. Association for Computing Machinery, New York, NY, USA, Article 14, 2019.

- Albataineh, A., **Al-Qassas, R.S.**, Qasaimeh, M.; A new architecture for voice interconnection using packet switched network Proceedings of the Second International Conference on Data Science, E-Learning and Information Systems (DATA '19). Association for Computing Machinery, New York, NY, USA, Article 13, 2019.
- Qasaimeh, M., **Al-Qassas, R.S.**, Tedmori, S.; Software randomness analysis and evaluation of lightweight ciphers: the prospective for IoT security, *Multimedia Tools and Applications*, vol. 77, no. 14, 2018, Springer, pp. 18415-18449. ISSN: 1380-7501
- Aljallad, S., **Al-Qassas, R.S.**, Qasaimeh, M.; A Group Leader Location Hiding Technique for VANETs, *International Journal of Distributed Systems and Technologies (IJ DST)*, vol. 8, no. 3, 2017, IGI Global, pp. 67-80. ISSN: 1947-3532
- Qasaimeh, M., **Al-Qassas, R.S.**; Randomness Analysis of DES Ciphers Produced with Various Dynamic Arrangements, *Journal of Computer Science*, vol. 13, no. 12, 2017, Science Publications, pp 735-747. ISSN: 1549-3636
- Noman, S., Qasaimeh, M., **Al-Qassas, R.S.**, Noman, H.; Mitigating Evil Twin Attacks in Wireless 802.11 Networks at Jordan, *International Journal of Computer Science Issues (IJCSI)*, vol. 14, no. 1, 2017, pp. 60-68. ISSN: 1694-0814
- **Al-Qassas, R.S.**, Routing and the Impact of Group Mobility Model in VANETs, *Journal of Computer Science*, vol. 12, no. 4, 2016, Science Publications, pp. 223-231. ISSN: 1549-3636
- **Al-Qassas, R.S.**, Qasaimeh, M., Alnouri, H. A; A Fingerprint Featured Data Encryption Algorithm, The 7th International Conference on Information & Communication Systems (ICICS), 5-7 April 2016, Irbid, Jordan, IEEE.
- Alnoury, H. A., Qasaimeh, M., **Al-Qassas, R.S.**; Improved DES with Dynamic S-boxes and P-box Arrangements, *Journal of Next Generation Information Technology*, vol. 7, no. 1, 2016, AICIT, pp. 14 – 26. ISSN: 2092-8637
- Qasaimeh, M., Abran, A., Abdallah, A., **Al-Qassas, R.S.**; Investigating Vincenti Engineering Principles in Support to the Auditing of Measurement Processes in Agile Organizations, *Journal of Software*, vol. 11, no. 2, Academy Publisher, pp. 201-211, 2016. ISSN: 1796-217X
- Tawalbeh, L., **Al-Qassas, R.S.**, Darwazeh, N.S., Jararweh, Y., AlDosari, F.; Secure and Efficient Cloud Computing Framework, *International Conference on Cloud and Autonomic Computing (ICCAAC)*, 21-25 September 2015, Boston, MA, USA, IEEE, pp. 291 – 295.
- **Al-Qassas, R.S.**; On the Trade-off between Multipath and Single-path Routing in VANETs, *Journal of Next Generation Information Technology*, vol. 6, no. 4, 2015, AICIT, pp. 14-23. ISSN: 2092-8637
- Tawalbeh, L., Darwazeh, N.S., **Al-Qassas, R.S.**, AlDosari, F.; A Secure Cloud Computing Model based on Data Classification, *Procedia Computer Science*, vol. 52, 2015, Elsevier, pp. 1153-1158. ISSN: 1877-0509
- Hamdan, S., **Al-Qassas, R.S.**, Tedmori, S.; Comparative Study on Sybil Attack Detection Schemes, *International Journal of Computers and Technology*, vol. 14, no. 7, 2015, pp. 5869-5876. ISSN: 2277-3061
- **Al-Qassas, R.S.**, Ould-Khaoua, M.; Performance comparison of end-to-end and on-the-spot traffic-aware techniques, *International Journal of Communication Systems*, vol. 26, no. 1, 2013, Wiley, pp. 13-33. ISSN: 1074-5351