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| <b>Full Name and Title</b>          | Dr. Alaa Al Sebae               |
| <b>Department</b>                   | The University of Warwick - WMG |
| <b>Title of current appointment</b> | Associate Professor             |

#### **Education/Qualifications**

- **PG Award** in Curriculum Design in Higher Education (the University of Warwick, Jan. 2025 – Oct. 2025)
- **Level 3 Award** in Undertaking **End-Point Assessment** (RQF) (Highfield Qualifications, April 2025)
- **MSc** in Cyber Security and Management (WMG, the University of Warwick, Oct. 2020 – Oct. 2023)
- **PhD** in Computer Networks (School of Engineering, the University of Warwick, Dec. 2010 – Jan. 2015)
- **MSc** in Electronic Systems with Communications (School of Engineering, the University of Warwick, Oct. 2009 – Aug. 2010)
- **PgCert** in Academic Practice in Higher Education (Coventry University, Coventry, Sept 2015 – Nov 2016)
- **BSc** in Automated Control and Computers (School of Engineering, University of Homs, Oct. 2003 – Aug. 2008)

#### **Appointments held**

- Associate Professor (WMG, the University of Warwick, August 2022 – Present)
- BSc Digital and Technology Solutions Programme Director (WMG, The University of Warwick, Nov. 2018 – Present)
- External Examiner for DTS programme – University of Gloucestershire Dec 2024- Present
- Assistant Professor (WMG, the University of Warwick, Oct 2017 – August 2022)
- Engineering Course Leader (CU Coventry, Coventry University, Dec. 2016 – Oct 2017)
- Engineering Head of Department - Programme Area Leader (CU Coventry, Coventry University, April. 2016 - July. 2016)
- Engineering Lecturer (CU Coventry, Coventry University, Dec. 2014 – Nov. 2016)
- Associate Lecturer (CU Coventry, Coventry University, Jan. 2013 – Dec. 2014)
- Lab assistant (School of Engineering, the University of Warwick, Sept. 2010 - June 2011)

#### **Membership of learned or professional societies**

- Chartered IT Professional (BCS) May. 2025 – Present
- Member of the British Computer Society (BCS) Dec. 2024- Present
- Member of the Institution of Engineering and Technology (IET) Sept. 2021 – Sept 2022
- Senior Fellow of the Higher Education Academy Oct. 2020 – Present
- Fellow of the Higher Education Academy Sept 2015 – Nov 2016
- Associate Fellow of the Higher Education Academy Sept 2014 – Jan 2015

#### **Modules teaching and leadership**

- Network Protocol and Infrastructure
- Cyber Risk in Organisations
- Network Routing and switching
- Network Security

### **Internal Committees and major meetings**

- Academic Member of The Course and Module Approvals Committee (CMAG)
- Examboards course representative
- Apprenticeships Quality Assurance Group
- Employer operational and quality meeting
- Employer progression meetings

### **Modules teaching and leadership**

#### **Supervisions**

- Yearly work-based UG supervisions of degrees apprentices in software, data and cyber security.
- Yearly MSc supervision of Cyber security students

#### **Other Teaching/learning:**

- Cisco Certified Network Associate (CCNA) PT training course. Birmingham City University, Birmingham, UK Oct. 2016 – August 2017

#### **Subject-matter conference Publications:**

- Zakzouk, A. Al Sebae, A. A., & Hasan, H. (2025). Designing an Efficient Deduplication Algorithm for Audio Files in Cloud Storage. Al-Esraa University College Journal for Engineering Sciences, 7(11), 1-12.
- A. Al Sebae, M. Leeson and R. Green, "Performance of a Network Coding Queuing Model with Deterministic Service," the 9th International Symposium on Communication Systems, Networks & Digital Signal Processing (CSNDSP), Manchester, UK, July 23-25, 2014.
- A. Alsebae, M. Leeson and R. Green, "The Throughput Benefits of Network Coding for SR ARQ Communication," the 5th Computer Science and Electronic Engineering Conference (CEECE 2013) , 17 -18 Sept 2013.
- A. Alsebae, M. Leeson and R. Green, "SimEvents-based Modeling and Simulation Study of Stop-and-Wait Protocol," The 5th International Conference on Modeling, Identification and Control (ICMIC 2013), Aug 31-Sept 1-2, 2013.
- A. Alsebae, M. Leeson and R. Green, "The Throughput Benefits of Network Coding for SW-ARQ Communication," AINA 2013, 27th International Conference on Advanced Information Networking and Applications, 25-28 March 2013.
- A. Alsebae, M. Leeson and R. Green, "On modelling network coded ARQ-based channels," International Journal of Space-Based and Situated Computing (IJSSC), 2014, Vol.4 No.2, pp.65 – 76.

#### **Pedagogical Conference Publications- based on summer internships:**

- A. al Sebae, M. Babu. A LIGHTWEIGHT EDGE-COMPUTING ARCHITECTURE FOR PORTABLE CYBERSECURITY TRAINING LABS, EDULEARN26 Proceedings, 2026, Article 1524.
- S. Tipper, A. Al Sebae, Z. Rihawi. "From Formation to Evaluation: Optimising groupwork in STEM Degree Apprenticeships." UK and Ireland Engineering Education Research Network Conference Proceedings 2023.

- Z. Ilyas, F. Azmat, “Laboratory experience as an immersive pedagogy tool using virtual and remote labs: A review” UK and Ireland 7th Engineering Education Research Network Annual Symposium, 16-17 December 2019, Warwick University, UK.
- T. Hatchard, M. Al-Amin, Z. Rihawi, A. Al Sebae, F. Azmat, “Examining Student Response to Virtual Reality in Education and Training”, IEEE INDIN, 22-25 July 2019, Finland.
- T. Hatchard, M. Al-Amin, Z. Rihawi, A. Al Sebae, F. Azmat, “Design and development of virtual engineering lab”, CDIO 25 June, 2019, Denmark.
- Al Sebae, Z. Rihawi, F. Azmat, “Moodle Quiz: A Method for Measuring Student Engagement”, 15th International CDIO conference 2019, 25 June 2019, Denmark.
- N. Muhandzi, F. Azmat, A. Al-Sebae, Z. Rihawi, “REMOTE LABS AS AN E-PEDAGOGICAL TOOL FOR AUTHENTIC LEARNING” 13th International Technology, Education and Development Conference, 11-13 March 2019, Valencia Spain.
- Z. Ilyas, F. Azmat, A. Al Sebae, Z. Rihawi, “TECHNOLOGY ENHANCED LEARNING IN DEGREE APPRENTICESHIPS” 13th International Technology, Education and Development Conference, 11-13 March 2019, Valencia Spain.

18.09.2026