



Saad Abdulrahman Alharthi

Lecturer

Personal Data

Nationality | Saudi

Date of Birth |

Department | Networks and Communications

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Language Proficiency

Language	Read	Write	Speak
Arabic	✓	✓	✓
English	✓	✓	✓
Others			

Academic Qualifications (Beginning with the most recent)

Date	Academic Degree	Place of Issue	Address
11/2018	MSc in Cyber Security	University of Southampton	United Kingdom
06/2017	PgCert in Cyber Security	University of Birmingham	United Kingdom

PhD, Master or Fellowship Research Title: (Academic Honors or Distinctions)

PhD	
Master	An Optimized Authentication Protocol for IoT
Bachelor	Steganography Tool for Windows Phones

Professional Record: (Beginning with the most recent)

Job Rank	Place and Address of Work	Date
Lecturer	College of Computer Science and Information Technology, IAU	03/2019
Teaching Assistant	College of Computer Science and Information Technology, IAU	01/2015



Administrative Positions Held: (Beginning with the most recent)

Administrative Position	Office	Date
Communication Officer	Saudi Federation for Cyber Security (SFCSP)	12/19
Student Club Supervisor	Deanship of Student Affairs	10/19

Scientific Achievements

Completed Research Projects

#	Name of Investigator(s) (Supported by)	Research Title	Report Date
1	Saad Alharthi, Basel Halak, JingHuey Khor	An Optimized Authentication Protocols for IoT	11/2018
2	Abdullah Al-Azmi, Mohammed Al-Shehri, Yazan Al-Shehri, Saad Alharthi, Khalid Alissa, Rachid Zagrouba	Core Functionality of Behavior-Based Intrusion Detection System	04/2020

Current Researches

#	Research Title	Name of Investigator(s)
1	Optimizing a Hardware Firewall for Securing Smart Home	Nawaf AlShammari, Ahmed ALOtaibi, Mishal AlShaheen, Yousef AlYami, Saad Alharthi, Khalid Alissa, Sghaier Chabani

Contribution to Scientific Conferences and Symposia

#	Conference Title	Place and Date of the Conference	Extent of Contribution

Membership of Scientific and Professional Societies and Organizations

- University and College Union (UCU)
- Institute of Electrical and Electronics Engineers (IEEE)
- IEEE Computer Society
- Association for Computing Machinery (ACM)
- Center of Excellence in Information Assurance (KSU)



Teaching Activities

Undergraduate

#	Course/Rotation Title	No./Code	Extent of Contribution (no. of lectures/Tutorials. Or labs, Clinics)
1	CYS 525	Intro to Reverse Engineering	Lecture
2	CYS 508	Project Implementation	Academic Supervision
3	CYS 433	Practical (Co-op) Training	Academic Supervision
4	CYS 404	Network Security	Lecture
5	CYS 402	Information System Audit	Lecture
6	CYS 401	Digital Evidence Analysis	Lecture & Lab
7	CS 221	Fundamentals of Programming	Lecture & Lab
8	CS 211	Introduction to Computing	Lecture & Lab

Course Coordination

#	Course Code	Course Title	Coordination	Undergrad.	From	to
1	CYS 525	Intro to Reverse Engineering	✓	✓	Term 2 – 2019/2020	
2	CYS 404	Network Security	✓	✓	Term 2 – 2019/2020	Term 2 – 2020/2021
3	CYS 402	Information System Audit	✓	✓	Term 1 – 2019/2020	
4	CYS 401	Digital Evidence Analysis	✓	✓	Term 2 – 2020/2021	
5	CS 221	Fundamentals of Programming	✓	✓	Term 1 – 2020/2021	

Guest/Invited Lectures for Undergraduate Students

#	Activity	Subject	College and University or Program	Date
1	Webinar	Cyber Security Career Pathways	IEEE Student Branch, King Saud University	02/21

Student Academic Supervision and Mentoring

#	Level	Number of Students	From	to
1	Multiple levels	20	Term 1 – 2018/2019	
2	Multiple levels	20	Term 2 – 2018/2019	
3	Multiple levels	20	Term 1 – 2019/2020	
4	Multiple levels	20	Term 2 – 2019/2020	
5	Multiple levels	20	Term 1 – 2020/2021	
6	Multiple levels	20	Term 2 – 2020/2021	

Ongoing Research Supervision

#	Degree Type	Title	Institution	Date
1	Undergraduate	Optimizing a Hardware Firewall for Securing Smart Home	College of Computer Science and Information Technology, IAU	2020/2021



Administrative Responsibilities, Committee and Community Service
(Beginning with the most recent)

Administrative Responsibilities

#	From	To	Position	Organization
1	12/19	NOW	Communication Officer	Saudi Federation for Cyber Security (SFCSP)
2	10/19	NOW	CCSIT Student Club Supervisor	Deanship of Student Affairs

Committee Membership

#	From	To	Position	Organization
1			Chair	Student Competition Sub-Unit
2			Section Chair	Student Activities Unit
3			Member	Cooperative Training Unit
4			Member	CYS Curriculum Committee
5			Member	Practical Teaching Committee
6			Member	Graduation Project Committee
7			Member	Professional Cert. Alignment Committee

Volunteer Work

#	From	To	Type of Volunteer	Organization
1			President	Saudi society - Southampton, UK
2			Head of Media	Birmingham Saudi Club, UK
3			Head of Media	Southampton Saudi Club, UK
4			Student Ambassador	Southampton University, UK
5			Saudi Codes Ambassador	Misk Foundation

Personal Key Competencies and Skills: (Computer, Information technology, technical, etc.)

1	IoT, Hardware Security
2	Cryptography, Secure Communication
3	Incident Response and Forensics

Last Update

09/02/2021