

Eman Salem Alashwali

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Research interests

Security and privacy, usable security and privacy, Internet measurement.

Education

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| 2015 – 2020 | University of Oxford – Oxford, UK
PhD in Cyber Security (Computer Science)
Thesis: Negotiation Transparency and Consistency in Configurable Protocols: an Empirical Investigation. |
| 2011 – 2012 | University College London (UCL) – London, UK
MSc. in Information Security
Thesis: Cryptographic Vulnerabilities in Real-Life Web Servers |
| 2011 – 2011 | University College London (UCL) – London, UK
Diploma in English for Academic Purposes
Grade: Distinction. |
| 1999 – 2004 | King Abdulaziz University (KAU) – Jeddah, Saudi Arabia
BSc. in Computer Science
GPA: 4.7/5 with honour grade. |

Global/Regional/Local Recognition Awards

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| 2020 | Best Presentation Award, 3rd Place (Global) , Oxbridge Women in Computer Science Annual Conference (a joint conference for all Oxford and Cambridge Students), Cambridge. |
| 2019 | Best Paper Award (Global) , 15th Int. Conference in Security and Privacy in Communication Networks (SECURECOMM), US. |
| 2015 | Clementina Saduwa Award for Women in Engineering (Europe, ME, and Africa) , IEEE.
For my career achievements and noteworthy support for women in the profession. |
| 2015 | Exemplary Student Branch Counselor (Europe, ME, and Africa) , IEEE.
For my noteworthy efforts in KAU IEEE student branch. |

- 2004 **Excellence Award for Students (Local), KAU.**
For maintaining excellent GPA for 2 consecutive semesters in 2004.
- 2003 **Excellence Award for Students (Local), KAU.**
For maintaining excellent GPA for 2 consecutive semesters in 2003.

Work Experience

- 2022 – Present **Collaboration Visitor, Security & Privacy Institute, Carnegie Mellon University (CMU) – Pittsburgh, US**
Visiting researcher at CyLab working with the Usable Privacy and Security (CUPS) group.
- 2020 – Present **(On leave) Assistant Professor, College of Computing & IT, KAU – Jeddah, Saudi Arabia**
Teaching specialised and general full courses, and conducting research.
- 2021 – 2022 **Deputy Supervisor of Cybersecurity Club, College of Computing & IT, KAU – Jeddah, Saudi Arabia**
Conduct activities and networking activities for cybersecurity for both staff and students.
- 2013 – 2020 **Lecturer, College of Computing & IT, KAU – Jeddah, Saudi Arabia**
Teaching Laboratories and general full courses, and conducting research.
- 2008 – 2011 **Head of Labs and Technical Support Unit, College of Computing & IT, KAU – Jeddah, Saudi Arabia**
Leading a team of technicians to build and support the college's labs. The founding head of the labs and technical support unit. Passed the ISO accreditation for quality management systems.
- 2007 – 2013 **Teaching Assistant, College of Computing & IT, KAU – Jeddah, Saudi Arabia**
Teaching laboratories and general full courses. The founding TA of the network lab at the college.
- 2006 – 2007 **Junior Network Administrator, IT Department, Dar Al-Hekma University (DAH) – Jeddah, Saudi Arabia**
Administering the university's network and providing technical support to staff and students.
- 2006 – 2006 **Assistant Graphic Designer, IT Department, Effat University – Jeddah, Saudi Arabia**
Responsible for the graphic design of the university.

2004 – 2006 **Network & User Support Coordinator, IT Department, Dar Al-Fikr Schools – Jeddah, Saudi Arabia**
Administering the school’s network and providing technical support to staff and students.

Google Scholar Profile

<https://scholar.google.com/citations?user=-C8sg-cAAAAJ&hl=en&oi=ao>

List of Publications

- 2022 **Saudi Parents’ Privacy Concerns about their Children’s Smart Device Applications**
E. Alashwali and F. Alashwali.
Child-Computer Interaction, 2022, Vol. 33, No. 100486. **SCOPUS Q1 Journal**.
- 2020 **Exploring HTTPS Security Inconsistencies: A Cross-Regional Perspective**
E. Alashwali, P. Szalachowski, and A. Martin.
Computers & Security, 2020, Vol. 97, No. 101975. **IF: 5.6, ISI Q1 Journal**.
- 2019 **Towards Forward Secure Internet Traffic**
E. Alashwali, P. Szalachowski, and A. Martin.
Security and Privacy in Communication Networks (SECURECOMM), US.
- 2019 **Does “www.” Mean Better Transport Layer Security?**
E. Alashwali, P. Szalachowski, and A. Martin.
Availability, Reliability and Security (ARES), UK.
- 2018 **DSTC: DNS-based Strict TLS Configurations**
E. Alashwali and P. Szalachowski
Risks and Security of Internet and Systems (CRISIS), France.
- 2018 **What’s in a Downgrade? A Taxonomy of Downgrade Attacks in the TLS Protocol and Application Protocols Using TLS**
E. Alashwali and K. Rasmussen
Workshop on Applications and Techniques in Cyber Security at SECURECOMM, Singapore.

- 2018 **On the Feasibility of Fine-Grained TLS Security Configurations in Web Browsers Based on the Requested Domain Name**
E. Alashwali and K. Rasmussen
Security and Privacy in Communication Networks (SECURECOMM), US.
- 2015 **Design and Evaluation of Competition-based Hacking Exercises**
E. Alashwali and H. Ben-Abdallah
Engineering Education Conference (EDUCON), Estonia.
- 2014 **Incorporating Hacking Projects in Computer and Information Security Education: An Empirical Study**
E. Alashwali
Journal of Electronic Security and Digital Forensics, Vol. 6, No. 3 SCOPUS Journal..
- 2013 **Cryptographic Vulnerabilities in Real-Life Web Servers**
E. Alashwali
Communications and Information Technology (ICCIT), Lebanon.

IT Career Certifications

- 2008 **Microsoft Certified Systems Administrator (MCSA)**
Microsoft.
- 2008 **Microsoft Certified Professional (MCP) in Implementing, Managing, and Maintaining Windows Server 2003**
Microsoft.
- 2007 **Microsoft Certified Professional (MCP) in Managing and Maintaining Windows Server 2003 Environment**
Microsoft.
- 2007 – 2010 **CISCO Certified Network Associate (CCNA)**
CISCO.
- 2006 **A+ Certified Professional**
Computing and Technology Industry Association (CompTIA).
- 2005 **MCP in Installing, Configuring, and Administering Windows XP Professional**
Microsoft.

- 2005 **I-Net+ Certified Professional**
CompTIA.
- 2004 **Network+ Certified Professional**
CompTIA.

Reviewing / Committees

- 2023 - Present **Reviewer, The ACM CHI conference on Human Factors in Computing Systems**
 A top-tier events in Human-factor security research.
- 2023 - Present **Member of Committee/Editorial Board, Proceedings on Privacy Enhancing Technologies Symposium (PoPETS)**
 A top-tier events in privacy research.
- 2022 **Member of the Systems' Security Committee**
 College of Computing & IT, KAU.
- 2021 – 2022 **Course Coordinator of Professional Computing Issues**
 College of Computing & IT, IS Dept., KAU.
- 2021 – 2022 **Member of the Alumni Committee**
 College of Computing & IT, IS Dept., KAU.
- 2020 – 2022 **Member of the Academic Advising Committee**
 College of Computing & IT, IS Dept., KAU.
- 2014 – 2015 **Member of the Executives Committee**
 IEEE Western Saudi Arabia Section.
- 2013 – 2015 **Member of the Academic Advising Committee**
 College of Computing & IT, IS Dept., KAU.
- 2013 – 2015 **Member of the Exams Committee**
 College of Computing & IT, IS Dept., KAU.
- 2010 **Member of the Interviewers Committee for the Permanent Technicians jobs**
 College of Computing & IT, KAU.
- 2010 **Member of the Inventory Committee**
 College of Computing & IT, KAU.

Other Volunteer Work

- 2022 – Present **Founder and Podcaster**
“bit” Arabic Podcast (<https://podcasts.apple.com/us/podcast/bit/id1637283049>).
Science and cybersecurity topics simplified for both general and specialised audience.
- 2014 – 2015 **Students Activities Chair**
IEEE Western Saudi Section, IEEE.
- 2014 – 2015 **KAU IEEE Student Branch Counselor**
KAU and IEEE (see: <https://www.youtube.com/watch?v=XywjgN8ze5E> and <https://www.youtube.com/watch?v=XNPfh5319NA>)

Languages

English (Fluent), Arabic (Native).

Other interests

Art, drawing, and photography.
<https://www.behance.net/ealashwali>