

## PRESONAL INFO.

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### PROF. SALMAN ALI ALQAHTANI;

- **Professor** in Computer Science and Engineering
- **Dean**, College of Computer and Information Sciences, King Saud University,
- **Director and Founder**; National Center For New Emerging Wireless Tech.
- **Director and Founder**; New Emerging Tech. and 5G and beyond networks Research Chair
- **Representative** of Saudi Council of Engineers to the WFEO Committee on Information and Communication (CIC)
- **Recognized** in the Stanford Top 2% Scientists List 2023 and 2024, recognizing the impact of my research in computer science and engineering
- **Mobile**: +966505225172
- **Google Scholar**:  
[https://scholar.google.ca/citations?hl=en&user=1sJ9MOwAAAAJ&view\\_op=list\\_works&sortby=pubdate](https://scholar.google.ca/citations?hl=en&user=1sJ9MOwAAAAJ&view_op=list_works&sortby=pubdate)
- **E-mail**: [alqahtani.s@gmail.com](mailto:alqahtani.s@gmail.com);
- **twitter**: @DR\_SAQ
- **LinkedIn**: <https://www.linkedin.com/in/alqahtanis/>

## SUMMERY

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Experienced leader, consultant and a distinguished professor in Computer Science and Engineering with over 27 years of experience in academia, industry, and government. Recognized among the top 2% of scientists globally for pioneering contributions to network technologies, digital forensics, and emerging technologies. With over 300 peer-reviewed publications, expertise spans AI-driven business strategies, advanced wireless communication, next-generation networks, and digital transformation. A committed innovator in organizational leadership during disruptive times, driving research, industry collaboration, and policy development in network infrastructure, emerging technologies, and smart city initiatives.

## FIELD OF SPECIALIZATION / INTEREST:

### Included, but not limited to:

- Academic and Digital Leadership, Business Process Automation (BPA) and Digital Transformation Strategies
- Smart Sustainable Nation and Cities, Network Integrated Services, Network Infrastructures and Data Center solutions
- Performance Analysis of Recent Advances in Technologies: Industry 4.0., AI-based Network architecture, Advanced Mobile Wireless Technologies (5G & 6G), Internet of everything and its QoS issue, Software Defined Network (SDN)/ Network Function Virtualization (NFV), 5/6 G Network Slicing, Open RAN, Mobile Edge and fog Computing, Heterogeneous Wireless Networks, TETRA and Cognitive Radio networks.
- Cyber Sovereignty, Security and Video Surveillance, Digital Forensics and Investigations, e-health care

## PROFESSIONAL EXPERIENCE

### College of Computer and Information Sciences, King Saud University, Riyadh, Saudi Arabia

- Dean of College of Computer and Information Sciences, Jan. 2020–Now
- Director of New Emerging Technologies and 5G&6G Research chair Jan. 2022–Now
- Director of National Center for Future Network Technologies Jan. 2022–Now
- Part Time Consultant, Council of Universities Affairs May. 2023–June 2024
- Vice Dean of College of Computer and Information Sciences, June 2017 –Dec 2019

- Full Professor of Computer Engineering and Communication Networks (Oct. 2016)
- Chairman of Computer Engineering Dept. Dec 2013 –Feb. 2016
- Associate professor of Computer Networks Sept. 2012 – Oct. 2016
- Assistant professor of Computer Networks Sept. 2011 – Sept. 2012

#### **King Fahd Security College, Ministry of Interior, Riyadh, Saudi Arabia**

- Worked as an officer Engineer for more than 14 years 1998-2011
- Assistant professor of Computer and communication Networks 2007 - 2011
- Lecturer – "Computer information and security" 1998-2003
- Chairman of Computer Science Department 2007 – 2011
- Founder and Academic Advisor of Digital Forensic Investigations Diploma 2010 - 2012
- Chairman of Computer Networks Section 2007 - 2008
  - Administrated the college's networks, network maintenance and supports.
- Network administrator 2000 -2003
  - Administrated the college's networks, network maintenance and supports.
- Director, Deputy Manger office 1998 - 2000
  - Worked as director of the deputy manager office.

#### **General Department of Saudi Prisons**

- IT Consultant 2009 - 2012

#### **Comprehensive vision center for ICT consulting (cvc4it), Riyadh**

- Information & Communication Technology Consultant 2008 - 2010
  - Working as consultant for: IT strategy plan development, Building IT infrastructure, new communication technology solution, etc.

#### **Saudi Unicom for Communication Technologies, Riyadh**

- Information & Communication Technology Consultant 2008 - 2009
  - Working as consultant for: GPS Tracking system and video surveillance, live video streaming, developing communication solutions for security purposes, etc.
- General Manager of Saudi Unicom Company 2009 - 2010

#### **Saudi ARAMCO, Dhahran, Saudi Arabia**

- Network Engineer 1997 - 1998
  - Worked on the control room of oil factory in Jubail.
- Computer engineer Summer 1996
  - Provided network and system design to the field engineers.

#### **France**

- Air Defense Study 1991- 1992
  - Studied Basic air defense science and French language.

## **EDUCATION**

**Ph.D.** in Computer Science & Engineering Feb., 2007

King Fahd University of Petroleum & Minerals (KFUPM), Dhahran, Saudi Arabia

- Dissertation: "**Radio Resource Management and Operator Sharing in 3G and Beyond Multimedia Wireless Networks**"
- Areas of Concentration: Simulation and Modeling, Neural Networks, 5G & Beyond Mobile Wireless, Computer Architecture and Computer Networks
- Honors: G.P.A. is 4.0/4.0 and Dissertation Approved "with Distinction"

A **Postdoctoral Researcher**, Mobile Radio Resource Management and Sharing  
University of Waterloo, Canada, 2011

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**M.S.** in Computer Engineering March, 2003  
King Saud University, Saudi Arabia

- Thesis: "**Prioritized Handover and Call Admission Control Schemes for Multimedia Traffic in Cellular Mobile Wireless Networks**"
  - Areas of Concentration: Simulation and Modeling, Neural Network, Computer Architecture and Computer Networks
  - Honors: Highest Honors
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**High Diploma in Security Sciences** March 1998  
King Fahd Security College, Ministry of Interior, Riyadh, Saudi Arabia

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**B.S.** Honors in Computer Engineering Jan., 1997  
King Fahd University of Petroleum & Minerals (KFUPM), Dhahran, Saudi Arabia

- Areas of Concentration: Computer networks, Digital Design, Computer Science and Computer Architecture and networks
- Minor: Computer architecture and networks
- Honors: Highest Honors

## **PUBLICATIONS AND TALKS**

### **BOOKS: (3 BOOKS)**

1. **Salman A. AlQahtani**, "Digital Forensics Evidence: Concepts and Processing Techniques (In Arabic)", KFSC Research and studies center, Riyadh, 2011.
  2. **Salman A. AlQahtani**, "Introduction to Wireless Communication Networks (In Arabic)", KSU, Riyadh, 2013.
  3. **Salman A. AlQahtani**, "National Cyber Sovereignty and Smart Sustainable Country in the Age of Digital Transformation: Visions, Principles, Requirements and Challenges (In Arabic)", under press, Riyadh, 2018.
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### **LIST OF PUBLICATIONS**

#### **Type of Publication**

#### **Number of Publications**

Articles in International Refereed Journals	225+
Conference Papers	40
Books/Book Chapters	3
Others (Higher Education Commission)	12

#### **Citation Source**

#### **Number of Citations**

Google scholar	1115+
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**Google Scholar:** (see the link)

[https://scholar.google.ca/citations?hl=en&user=1sJ9MOwAAAAJ&view\\_op=list\\_works&sortby=pubdate](https://scholar.google.ca/citations?hl=en&user=1sJ9MOwAAAAJ&view_op=list_works&sortby=pubdate)

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### **TECHNICAL PRESENTATIONS AND KEY NOTE SPEECH**

- Presented all 1st author papers in their corresponding conferences and workshops.

- Was invited to give several technical presentations and workshops in Digital transformation, next generation networks, Industrial revolutions and Digital forensics, including:
  - **The Future of Intelligent Connectivity: 6G Networking, Fabric Computing and Smart Clothing**, Riyadh, 2025.
  - **Rethinking Cyber Sovereignty and Cyber Security in the 5G Era**, NIC, Riyadh, Jan. 2020
  - **Digital Forensics: Technologies and Challenges**, MIO, Qatar, 2009
  - **Future Mobile Networks: Technologies and Opportunities**, CVC4IT, Jeddah, 2010
  - **3G & Beyond Infrastructure Sharing: Challenges & Opportunities and Risks for STC**, STC, 2009
  - **Wireless Evolution Roadmap Towards 4G**, Riyadh, 2013
  - **Cognitive Radio and Dynamic Spectrum Access**, Saudi Council of Engineers, Riyadh, 2017
  - **Internet of Everything (IoE): A Technology Vison**, Saudi Council of Engineers, Riyadh, 2017
  - **Paving The Way To Smart Sustainable and Safe Country**, Riyadh, NIC, MOI, 2017
  - **Digital Transformation and Internet of Everything**, Saudi Council of Engineers, Riyadh, 2017
  - **5G Networks: 5G Vision, Requirements, Key Technologies and Opportunities**, Saudi Council of Engineers, Riyadh, 2017
  - **Industry 4.0 and Internet of Everything**, Saudi Council of Engineers, Riyadh, 2017
  - **Paving the Way Toward a Better Understanding of 5G, IoT and IR 4.0- A Technology Vision**; Saudi International Exhibition for IoT, Riyadh, 2018
  - **How 5G, IoT and IR4.0 will Transform The World By 2025?**, Saudi Council of Engineers ,Riyadh, 2018
  - **IR4.0 and IoT: The Basics You Need to Know**, Saudi Council of Engineers, Abha, Oct. 2018.
  - **National Cyber Sovereignty in the Age of Digital Transformation**, Saudi Council of Engineers , Riyadh, Dec. 4, 2018.
  - **What must everyone know about: 5G, IoT, IIoT and Industry 4.0**, Saudi Council of Engineers, Jeddah, Dec. 7, 2018.

## TRAINING CERTIFICATES

I accomplished many courses in the field of IT including but not limited to:

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|---|-------------------------------|
| • Information Security,   | Austria 2009                  |
| • Digital Forensics,  | Canada 2010                   |
| • Mobile Forensics,   | Canada 2010                   |
| • PMP,  | Riyadh 2010                   |
| • Academic development and teaching   | Riyadh 2010                   |
| • LTE Networks and 5G   | London 2013                   |
| • Leadership Principles (2 months)  | Harvard Business School, 2020 |
| • Strategic Planning Professional (SPP)                                       | Riyadh 2022                   |
| • Leadership for Faculty Recruitment, Development, and Performance Management | Riyadh 2022                   |
| • Master Digital transformation strategy and framework 2024                   | Udemy 2025                    |
| • 5G O-RAN : Architecture, Procedures and use cases                           | Udemy 2025                    |
| • Emerging Technologies   | 5GWorldPro, 2025              |
| • Transforming Your Business with AI (6 weeks)                                | INSEAD, 2025                  |

## PROFESSIONAL ACTIVITIES

### King Saud University, Riyadh, Saudi Arabia

- Representative of Saudi Council of Engineers to the WFEO, Committee on Information and Communication.

- Member of King Saud University Council
- Chair of College of Computer and Information Sciences Scientific Council
- Member of Computer Engineering Scientific Council
- Member of Scholarship Committee at College of Computer Sciences & Information
- Member of Master Degree Curriculum committee at Computer Engineering Dept.
- Chairman of Curriculum committee at College of Computer Sciences & Information
- Chairman of Students Rights committee at College of Computer Sciences & Information
- Chairman of Examination committee at College of Computer Sciences & Information
- Member of Almuzahmia colleges' council.

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### **King Fahd Security College (KFSC), Ministry of Interior (MOI), Riyadh, Saudi Arabia**

- Committee Secretary – "Ministerial development plan committee for KFSC"
- IT and data processing committee Leader – "KFSC admission committee"
- Director of admission program and led the admission's data processing and monitoring committee
- Member of Curriculum committee
- Member of the ethical Technology content legalization Committee, MOI

### **HONORS & AWARDS**

- **Recognized** in the Stanford Top 2% Scientists List 2023 and 2024, recognizing the impact of my research in computer science and engineering
- Best PhD student Award for academic achievements, KFUPM
- Highest Honors list, KFUPM
- Several certificates of appreciation from King Fahd Security College (KFSC) for distinct efforts and active contribution in the work's filed
- Certificates of appreciation from Assistant of Minister of Interior, for distinct efforts and academic achievement.
- Certificates of appreciation from college of computer and information sciences for distinct efforts and academic achievement.

### **LANGUAGES AND PERSONAL INFORMATION'S**

- Arabic – native language
  - English – speak fluently and read/write with high proficiency
  - France – beginner.
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