

PRESONAL INFO.

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 WFE0 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
- **E-mail**: alqahtani.s@gmail.com;
- **twitter**: @DR_SAQ
- **LinkedIn**: <https://www.linkedin.com/in/alqahtanis/>

SUMMARY

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

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

High Diploma in Security Sciences March 1998

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

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.

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+
----------------	-------

Google Scholar: (see the link)

https://scholar.google.ca/citations?hl=en&user=1sJ9MOwAAAAJ&view_op=list_works&sortby=pubdate

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 Vision**, 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:

- | | |
|---|-------------------------------|
| • 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.

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.
-