Prof. Salman Ali W. AlQahtani

Academic Leader | Distinguished Professor | World Top 2% Scientists | New Emerging Tech. & 5G/6G Specialist |
5G/6G Research Chair Director |Digital Transformation Leader | KFUPM | ex- Aramco | ex-MOI Officer | ex-CEO

📞 +966505225172   ✉ alqahtani.s@gmail.com   📍 Riyadh, Saudi Arabia   in alqahtanis   8+ My Scholar   ✕ Dr_SAQ

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

- Academic and Digital Leadership, Business Process Automation (BPA) and Digital Transformation Strategies
- Smart Sustainable Nation and Cities Solutions, Smart Fabric Computing, Smart Clothes and its Application.
- New Emerging Technologies: Mobile Wireless Technologies (5G & 6G), Internet of everything, Software Defined Network (SDN)/ Network Function Virtualization (NFV), 5/6 G Network Slicing, Open RAN, Mobile Edge Computing, 5G Fabric Computing Networks, TETRA and Cognitive Radio networks.
- Digital Forensics and Investigations, Cyber Sovereignty

EDUCATION

Ph.D. in Computer Science & Engineering |**KFUPM University**   📅 2003 – 2007   📍 **Dhahran, Saudi Arabia**
Dissertation: "*Radio Resource Management and Operator Sharing in 3G and Beyond Multimedia Wireless Networks*"
Areas of Concentration: Neural Networks, 5G & Beyond Mobile Wireless, Computer Architecture and Networks
Honors: G.P.A. is 4.0/4.0 and Dissertation Approved "with Distinction"

Master of Computer Engineering |**King Saud University**   📅 2000 – 2003   📍 **Riyadh, 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 |**King Fahad Security College, MOI**   📅 1998 – 1999   📍 **Riyadh, Saudi Arabia**

Bachelor of Computer Engineering |**KFUPM University**   📅 1992 – 1997   📍 **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

Postdoctoral Researcher |**University of Waterloo**   📅 2010 – 2011   📍 **Waterloo, Canada**
Mobile Radio Resource Management and Sharing

WORK EXPERIENCE

College of Computer and Information Sciences | KSU 📅 **2011 – Till-Date** 📍 **Riyadh, Saudi Arabia**

• Dean of College of Computer and Information Sciences,	Jan. 2020 – Now
• Chair of College of Computer and Information Sciences Scientific Council	Jan. 2022 – 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
• Director of Advanced Electronic Company Smart Lab.	Jan. 2023 – Now
• Chairman of Information System Dept.	Jan. 2023 – Dec. 2023
• Chairman of Computer Engineering Dept. (Acting)	Jan. 2023 – Dec. 2023
• Chairman of Computer Science Dept. (Acting)	Jan. 2023 – Dec. 2023
• Chairman of Information Technologies Dept. (Acting)	Jan. 2023 – Dec. 2023
• 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 – Now
• Chairman of Computer Engineering Dept.	Dec 2013 – Feb. 2016
• Chairman of Computer Engineering Dept. Scientific Council	Dec 2013 – Feb. 2016
• Associate professor of Computer Networks	Sept. 2012 – Oct. 2016
• Assistant professor of Computer Networks	Sept. 2011 – Sept. 2012

Council of Universities Affairs | Ministry of Education 📅 **2023 –2024** 📍 **Riyadh, Saudi Arabia**

- Consultant

King Fahd Security College | Ministry of Interior 📅 **1998 –2011** 📍 **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
• Network administrator	2000 - 2003
• Director, Deputy Manger office	1998 - 2000

General Department of Saudi Prisons 📅 **2009 –2012** 📍 **Riyadh, Saudi Arabia**

• IT Consultant	2010 – 2011

Comprehensive vision center for ICT consulting Office 📅 **2008 –2010** 📍 **Riyadh, Saudi Arabia**

- Information & Communication Technology Consultant

Saudi Unicom for Communication Technologies 📅 **2008 –2010** 📍 **Riyadh, Saudi Arabia**

• General Manager of Saudi Unicom Company	2009 – 2010
• Information & Communication Technology Consultant	2008 - 2009

Saudi ARAMCO, Dhahran, Saudi Arabia 📅 **1996 –1998** 📍 **Riyadh, Saudi Arabia**

• Network Engineer	1997 - 1998
• Computer engineer	Summer 1996

Air Defense Study 📅 **1991 –1992** 📍 **Riyadh, France**

- Studied Basic air defense sciences and French language

PUBLICATIONS AND TALKS

BOOKS: (3 BOOKS)

- Salman A. AlQahtani, "Digital Forensics Evidence: Concepts and Processing Techniques (In Arabic)", KFSC Research and studies center, Riyadh, 2011.
- Salman A. AlQahtani, "Introduction to Wireless Communication Networks (In Arabic)", KSU, Riyadh, 2013.
- 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, 2024

LIST OF PUBLICATIONS

Type of Publication	Number of Publications
International ISI Journals Papers	230+
Conference Papers	40+
Books/Book Chapters	3
PhD/MSc/Research Projects Supervisions	200+

Google Scholar: ([see this link](#))

TECHNICAL PRESENTATIONS AND KEY NOTE SPEECH

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

SCIENCE TALKS
Invited to give several technical presentations 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, 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, 2018
- National Cyber Sovereignty in the Age of Digital Transformation, Saudi Council of Engineers   Riyadh, 2018
- What must everyone know about: 5G, IoT, IIoT and Industry 4.0, Saudi Council of Engineers   Jeddah, 2018

TRAINING CERTIFICATES

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

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

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
- Member of King Saud Dean's Advisory Council
- Member of Many major committees at KSU and its Colleges

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

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

HONORS & AWARDS

- Recognized in the Stanford Top 2% Scientists List 2023 and 2024, 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.
- 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 academic achievement.

LANGUAGES AND PERSONAL INFORMATION'S

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