

# Prof. Salman A. 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 [alqahtanis](#) [My Scholar](#) [Dr SAQ](#)

## SUMMARY

Experienced Visionary leader 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

- Leading Organization in disruptive time, Academic leadership, Digital Transformation Advisor, and Transforming Business with AI.
- 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

### King Saud University | Riyadh

📅 2011 – Till-Date 📍 Riyadh, Saudi Arabia

- 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
- Dean of College of Computer and Information Sciences, Jan. 2020 – Sept. 2025
- Chair of College of Computer and Information Sciences Scientific Council Jan. 2020 – Sept. 2025
- Vice Dean of College of Computer and Information Sciences, June 2017 – Dec 2019
- 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
- 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

### Saudi Council of Engineers | Riyadh

📅 March 2025 –Now 📍 Riyadh, Saudi Arabia

- Representative of the Saudi Council of Engineers to the WFEO Committee on Information and Communication (CIC)

### 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

- New Emerging Tech. Consultant 2010 – 2011

### Comprehensive vision center for ICT consulting Office

📅 2008 –2010 📍 Riyadh, Saudi Arabia

- New Emerging Technologies 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

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### 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	240+
Conference Papers	40+
Books/Book Chapters	3
PhD/MSc/Research Projects Supervisions	200+

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

## TECHNICAL PRESENTATIONS AND KEY NOTE SPEECH

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### 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

## TECHNICAL AND LEADERSHIP CERTIFICATES

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### I accomplished many academic and leadership courses including but not limited to

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|---|--------|-------------------------|
| • 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

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### 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

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- Several certificates of appreciation from King Saud University for distinct research records.
- 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.

## LANGUAGES AND PERSONAL INFORMATION'S

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