

Mosad Alkhathami Ph.D, PMP®, RMP®

Space Technologies | Engineering Expert | International Relations | Project Management
| Scientific Researcher | Technology Transfer



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LANGUAGES

Arabic: Native
English: Fluent

SKILLS

- Adaptive Leadership
- International Relations Expert
- Engineering/Management
- Communication Skills
- Technology Transfer
- Communication Skills
- Strategy/ Mission & Vision Planning

TOOLS

- Microsoft Project.
- System engineering software (Jira, confluence)
- KPI's and process improvement techniques.
- Requirement management software (Jama)
- Antenna design software (HFSS)
- Microsoft Office.

SUMMARY

Engineering expert and PhD holder with over 14 years of experience in Telecommunications systems, Space industry, and Defense. Demonstrated skills in executive management and leadership with a track record of carrying out large strategic projects to support the Kingdom's transformation. Experienced to run technology transfer programs to drive advanced research projects for sustainable development and technology profiles. Demonstrated history of working in international relations and coordination with international bodies.

EDUCATION

- 2012-2016 Ph.D. in Electrical and Computer Engineering
Wayne State University, Detroit, USA
- 2009-2011 Master in Engineering Science, Telecommunications System
DePaul University, Chicago, USA
- 2005-2009 Bachelor in Electrical Engineering
Purdue University, West Lafayette, USA

CERTIFICATION

- 2023 - 2029 PMP® (Project Management Profession)
Credential ID: 3414632
- 2023 - 2029 PMI-RMP® (Risk Management Profession)
Credential ID: 3417723

PROFESSIONAL EXPERIENCE

- 2022-Present **Telecommunication Director**
KHC-POHRH - Kingdom Holding Company and Private office HRH Alwaleed Bin Talal
- In charge of all Telecom and IT Operations.
 - Manage the local telecom mobile & land operators for the employee account services including voice and data activation, data circuits, ADSL, billing and payments.
 - In charge of deploying and maintaining Avaya and Ericsson PBAX service level managements on our client at various sites VSAT iDirect and SCPC deployment.
 - Regular assessing existing B747-400 IFE systems and managing multi millions US\$ IFE upgrades related to Rockwell Collins Live TV system, Rockwell Airshow, PBAX, IFE Automation, In-seat monitors, Satcom system and high speed GOGO VSAT internet connectivity.
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- 2016-Present **Assistant Research Professor**
KACST - National Satellite Technology Center, Riyadh, KSA
- A highly ranked researcher, working towards the advancement of Kingdoms National Satellite Technology by providing the industry with state-of-the-art satellite technology.
 - **Supervisor of projects** proposed by KACST in cooperation with the United Nations Office for Outer Space Affairs and the China Space Agency. **2018-2022.**
 - Collaborated with international research centers, United Nations Office for Outer Space Affairs, and the China Space Agency to share knowledge, insights, and analytical frameworks on GCC issues.

KNOWLEDGE

- Spacecraft and satellite systems.
- System Engineering.
- Technology Transfer.
- Research and Development.
- Data Analysis.
- Agile methodologies.

MEMBERSHIPS

- International Students Club, 2007-2009.
- Saudi Council of Engineers KSA, 2014-present.
- Institute of Electrical and Electronics Engineers, 2011-present.
- Institute of Electrical and Electronics Engineers Communications, 2011-present.
- American Institute of Aeronautics and Astronautics, 2015-present.
- Saudi Telecommunications Society, 2016-present.

TRAINING

- MS Project Training, Management Expert Training and Consultation
- Introduction to Lean and Six Sigma, Lawrence Tech University,
- Leadership and Engineering, Lawrence Tech University
- Strategic Management, Lawrence Tech University.

VOLUNTEERING

- President of Saudi Student Association at Wayne State University 2016.
- Elevation & Retention Officer at IEEE Region4. 2015-Present.
- Engineering Advisor at Saudis in USA 2009-2016.

2020 – 2021 **Science, Exploration, and International Relations Advisor**

Saudi Space Commission, International Relations Department, Riyadh, KSA

- Nominated as an advisor for Science, Exploration, and International Relations between sovereign nations on matters of space political, space economic, space diplomatic affairs, and Peaceful uses of outer space.
- Served as an international space projects collaboration expert to develop and maintain international partnerships and evaluate/communicate/maximize the value and benefits to Earth and space exploration.
- Strengthened relationships between national teams and external partners/stakeholders and led the strategic engagements with industry experts and created awareness of Saudi Space activities.

2019-2020 **Director of Technology Transfer Office**

KACST - Space and Aeronautics Research Institute, Riyadh, KSA

- Facilitated seamless operations in seven centers with more than 550 employees with a focus on protecting and commercializing the technologies and scientific works that result from research endeavors for public benefit.
- Liaised with internal staff and external vendors, industry, academia, and other collaborators to locate and record aerospace technology products in the database.
- Assisted in the transfer of developed technologies and exchange of research materials with the Research and Development team along with procedural alignment and policy matters

2016-2019 **Field Engineer Office**

Lockheed Martin Aerospace Company, Littleton, Colorado USA

- Empowered and led a team of 20 engineers working on KACST, ARAB-SAT, and HELLA-SAT commercial projects.
- Played a crucial role in launching GeoOrbit telecom satellite.
- Launched GeoOrbit telecommunication satellite.

2016-2019 **Head of Telecommunications and Ground Station**

KACST - National Satellite Technology Center, Riyadh, KSA

- Pivotal in launching 2 optical satellite Low orbit with 5 additional engineers of satellites KACST.
- Spearheaded a team of 20 engineers to manufacture, configure, and testing of electrical equipment. Additionally, build prototypes, and simulated communications systems, and algorithms for satellite communications networks.
- Launched two optical satellite Low orbit with five additional engineers.

2009-2012 **Elec/Comms Engineer and Academic Research**

KACST - National Satellite Technology Center, Riyadh, KSA

- Leveraged experience in testing and building boards attached to satellites, and designing antennas.
- Worked on antenna design, modeling, and testing.

ACHIEVEMENTS AND HIGHLIGHTS:

- Received recognition as an author and presenter in several conferences at the "IEEE, relating to wireless sensing networks.
- Expert in areas including Telecommunications Systems, Satellite Communications, Space, Defense, and Electrical Engineering.
- Handpicked to serve as an officer in the **Southeastern Michigan IEEE section (2015-present).**
- Appointed as Student Teaching Assistant at **Wayne State University, Detroit USA. 2014-2016.**
- Selected as a member of the team that represents the Kingdom's delegation to the United Nations regarding Peaceful Uses of Outer Space (COPUOS).