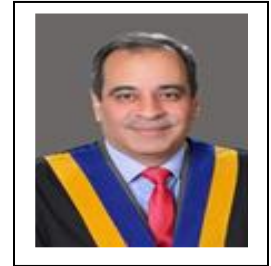


Date: 12-4-2025



## CURRICULUM VITAE

### PERSONAL INFORMATION

Faculty Member Name: **Ahmad Mahmoud Salameh Alhosban**

Academic Rank: **Assistant Professor**

College: Aviation Sciences

Department: Aircraft Maintenance-Avionics

Nationality: Jordanian

Address: Mafrag – College St. Bldg 14.

Phone No: **00962-0790681875**

E-mail: [a.alhosban@aau.edu.jo](mailto:a.alhosban@aau.edu.jo)

### ACADEMIC QUALIFICATIONS

- **B.Sc.** in Electrical Engineering/ Electronic Communication, Mu'tah University, Jordan 1994.
  - **M.Sc.** in Electronic Satellite Communication – Navigation, ENAC University, France, 2006.
  - **PhD.** in Electronic Satellite Communication – Navigation, NUPS University, Hungary, 2022.
- Thesis title:** Impact of GPS Navigational Errors on the Required Performance of GBAS Approach Service Type D/F (GAST-D/F) Landing System

### ACADEMIC EXPERIENCE

#### 1. PhD Academic Experience

- Duration: 3 years. (2022-present)
- University: Amman Arab University.
- Academic Rank: Assistant Professor.
- Date the rank was granted: Sep. 2022.
- The body granting the rank: Amman Arab University.
- College: Aviation Sciences College.
- Country: Jordan.

#### 2. MSc Academic Experience

- Duration: 4 years.(2015-2018)

دائرة الموارد البشرية  
Human Resources Department

- University: Al-AL-baiyt University.
- Academic Rank: Teaching Assistant.
- Date the rank was granted: Oct 2006.
- The body granting the rank: ENAC University,
- College: Satellite-based Comm/Nav College.
- Country: France

#### NON-ACADEMIC EXPERIENCE

- Duration: 25 years.(1994-2018)
- Institution: Royal Jordanian Air Force. RJAF
- Department: Electronic Communication Directorate.
- Country: Jordan.
- **Most Important Positions in RJAF:**
  - Chief, and founder of B.Sc. in ATC Department- Aviation science Faculty in AABU University, 2015-2018.
  - Commander, Electronic Workshops and PMEL Labs, 2016-2018.
  - Chief of Electronic Communication Supply Branch, 2014-2016.
  - Nav aids and RF Communication Maintenance Senior Field Engineer, 1994-2014
  - UAV Maintenance Manager and installation/operation, 2011-2018
  - Project Manager for purchasing and installation of VOR qty 4, ILS qty 4, DME qty 4, and TACAN qty 2 in Airforce Bases, 2004-2018.
- **Patents:**
  - Design and implementation of audio amplifiers CCT for Radio Talon ARC210 ground-to-air and air-to-air communications devices qty 28. 2004
  - Design and implementation of 32 control boards for the pilots' immediate takeoff warning devices. 2007
  - Design Modification of the electronic board for the TACAN navigation system antenna, converting it from mechanically rotating to electronically rotating, 2009
  - Design Modification of the Video broadcast for the BMS Antennas to improve the Reception in Dead Areas in the Kingdom. 2013

#### CERTIFICATIONS OR PROFESSIONAL REGISTRATIONS

- 2022- MOTE in M1, M2, M4, M5, M9 Standard Part 147 Regulatory- Mideast Aviation Academy.
- 2023- Author and writer Certificate – Research and Studies, Jordanian Writers Association, JWA.
- 2017 – Consultant Engineer Certificate, Jordanian Engineers Association JEA
- 2001-Basic Instructional Techniques – Royal Jordanian Air Force RJAF.

#### CURRENT MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS

- Jordanian Engineers Association JEA – 1994
- Jordanian Writers Association, JWA, 2022

#### HONORS AND AWARDS

- 1st Rank Medal in Master, France, 2006
- Order of Merit, Second Class, Jordan 2016
- PhD Scholarship, Hungary, Ministry of Higher Education, Stipendium 2018
- PhD Honor and Excellency Degree, NUPS University, Hungary, 2022

#### SERVICE ACTIVITIES

- International Training Course, Providing Training course on Aircraft Troubleshooting Techniques, Sky Academy, Kingdom Of Saudi Arabia, 2024.
- Director of Academic Development and Quality Assurance, Amman Arab University, 2023-2024
- Academic Development Committee, Amman Arab University, 2022-2023
- Quality Assurance Assessor, Accreditation and QA Commission for Higher Education Institutions, Amman, 2023
- University Placement of 16 programs committees, Amman Arab University, 2023-2024.
- Website updating committee, Amman Arab University, 2022-2025.
- Head of Documents Destruction Committee, Amman Arab University, 2023-2025.
- Study Plans Development, Amman Arab University, 2022-2025.
- University Exams Committee, Amman Arab University, 2023-2025
- Scientific Research Committee, Amman Arab University, 2022-2025
- Students' academic guidance committee , Amman Arab University, 2022-2025
- National Committee, Preparing an advertising video about the specialty of avionics, Amman Arab University, 2024.

#### THE MOST IMPORTANT PUBLICATIONS IN LAST FIVE YEARS

1. **Alhosban, A. (2025).** Analysis of critical satellites for ground-based augmentation system approach service type E. *International Journal of Innovative Research and Scientific Studies*, 8(2), 1439-1451. <https://doi.org/10.53894/ijirss.v8i2.5472>
2. **Alhosban, A. (2023).** Readiness of Galileo PNT Service for NATO Operations Threats and Challenges. *International Journal of Membrane Science and Technology*, 10(3), 1476-1490. <https://doi.org/10.15379/ijmst.v10i3.1730>
3. **Alhosban, A. (2023).** Binary Offset Carrier (BOC) and Binary Phase Shift Keying (BPSK) Modulation in Indoor Drones GNSS Receivers using Multipath Error Envelope MEE

- Technique. *International Journal of Membrane Science and Technology*, 10(3), 460-475. <https://doi.org/10.15379/ijmst.v10i3.1554>
4. **Alhosban, A. (2022).** Assessing Availability of GNSS-GBAS Landing Systems in GAST-D/F Performance. *Advances in Military Technology*, 17(1), 121-136. <https://doi.org/10.3849/aimt.01540>.
  5. **Alhosban, A. . (2021).** Assessment of the GIS-Aided Precise Approach Using the GNSS-GBAS Landing Systems. *Aeronautical Science Bulletins*, 32(2), 49-65. <https://doi.org/10.32560/rk.2020.2.4>.
  6. **Alhosban, A. (2020).** GPS Characterization in Cyberspace between Vulnerability and Geo-Encryption: Impact on GBAS Landing System (GLS). *Land Forces Academy Review*, 2020, Sciendo, vol. 25 no. 2, pp. 146-158. <https://doi.org/10.2478/raft-2020-0018>.
  7. **Alhosban, A. (2020).** Navigation Warfare (NAVWAR) : Balancing the Position in Space between GPS and Galileo. *Military Engineer*, 14(4), 163-177. <https://doi.org/10.32567/hm.2019.4.10>.
  8. **Alhosban, A. (2019).** Electronic Warfare in NAVWAR: Impact of Electronic Attacks on GNSS / GBAS Approach Service Types C and D Landing systems and their proposed Electronic Protection Measures (EPM). *Military Engineer*, 14(2), 238-255. <https://doi.org/10.32567/hm.2019.2.20>

#### THE MOST IMPORTANT BOOKS IN LAST FIVE YEARS

- **Alhosban, Castle of Mist, 2025**, Dar Al Khaleej Publishing and Distribution. Deposit No. 44/1/2025
- **Alhosban, Between Black and White, 2024**, Dar Al Khaleej Publishing and Distribution. Deposit No. 85/1/2024
- **Alhosban, Whispers of Truths, 2023**, Dar Al Khaleej Publishing and Distribution. Deposit No. 3226/6/2023
- **Alhosban, When Illusions Fall Silent, 2023**, Dar Al Khaleej Publishing and Distribution. Deposit No. 1058/2/2023

#### INSTITUTIONAL PROFESSIONAL DEVELOPMENT ACTIVITIES IN THE LAST FIVE YEARS

- Director of Academic Development and Quality Assurance, Amman Arab University, 2023-2024
- Academic Development Committee, Amman Arab University, 2022-2023
- Quality Assurance Assessor, Accreditation and QA Commission for Higher Education Institutions, Amman, 2023
- University Placement of 16 programs committees, Amman Arab University, 2023-2024.
- Website updating committee, Amman Arab University, 2022-2025.
- Head of Documents Destruction Committee, Amman Arab University, 2023-2025.

دائرة الموارد البشرية  
**Human Resources Department**

- International Training Course, Providing Training course on Aircraft Troubleshooting Techniques, Sky Academy, Kingdom Of Saudi Arabia, 2024.
- Two-Months Course in BOLD, Blended OnLine Development, Stryth-Clyde British Council, 2024
- JODDB Project- UAV Design anti GPS anti Avoidance 2024
- International Helicopter Helipad Design Project 2023
- Career Path Design for University Colleges
- Vocational Educational VET Workshops, Al-Balqa Applied University, 2024
- Accreditation Networking for Accreditation and QA Commission for Higher Education Institutions.
- Accreditation member in a committee for Aeronautical Engineering At JUST, 2024

**RESEARCH LINK (Scopus and Google Scholar)**

- <https://www.scopus.com/authid/detail.uri?authorId=57813057200>
- [https://scholar.google.com/citations?hl=en&user=f4YkQNsAAAAJ&view\\_op=list\\_works&sortby=pubdate](https://scholar.google.com/citations?hl=en&user=f4YkQNsAAAAJ&view_op=list_works&sortby=pubdate)
- [https://www.researchgate.net/profile/Ahmad-Alhosban?ev=hdr\\_xprf](https://www.researchgate.net/profile/Ahmad-Alhosban?ev=hdr_xprf)
- <https://orcid.org/my-orcid?orcid=0000-0001-7494-6067>

**LANGUAGES**

- Arabic, English, French, Hungarian