

# Curriculum Vitae

## PERSONAL INFORMATION



First Name                    Khaled  
Family Name :                Elgdamsi  
Date of birth                 5/7/1975  
Nationality                    Libyan  
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## PROFILE

- **Lecture in Tripoli University, - Faculty of Engineering – Electrical and Electronic Engineering Department -Tripoli- Libya since April 2011: -**
  - Lecturing on several courses in data communications, data networks, electrical topics and labs (EE201, EE202, EE280, EE302, EE311, EE316, EE421, EE521, EE524)
  - Supervising undergraduate projects (more than 50 project)
- **An enthusiastic and dedicated professional with extensive experience of 9 years across all areas of in orbit satellite control and monitoring activities including on-line and off-line operations for different spacecraft's since Dec 2003 up to May 2010:-**
  - 2A (Space bus 3000A) provided by ALCATEL
  - 2B (Space bus 3000A) provided by ALCATEL
  - 3A (Space bus 3000B2) ) Provided by ALCATEL
  - 4B (Space bus Eurostar 2000+) provided by ASTRIUM
  - 4AR (Space bus Eurostar 2000+) provided by ASTRIUM
  - RQ1R ((Space bus 4000B) provided by THALS
  - In addition theoretical and practical training on:-*
  - 5A (Space bus Eurostar 3000) provided by ASTRIUM
  - 5B (Space bus Eurostar 3000) provided by ASTRIUM

## WORK EXPERIENCE

- **Name and address of employer:**      ARABSAT– Secondary Control Station – P.O. Box 236  
BARDO 2000 Tunis- TUNISIA - Tel +21671645333
- Occupation:**    Satellite Control Engineer
- Dates:** Dec 2003 up to May 2010
- Web site:** [WWW.ARABSAT.COM](http://WWW.ARABSAT.COM)
- **Main activities and responsibilities**
  - provide technical support relating to matters of satellite control, position and operations.
  - Monitor satellite performance.
  - Analysis of control data transmitted by satellites.

- Orbital dynamic software activities
- Preparation and execution of satellite maneuvers.
- Prepare and execute all nominal operations
- Prepare and execute contingency plans.
- Satellite trend analysis.
- Track anomalies.
- Problem investigations.
- Prepare all satellites activities reports (daily, weekly, monthly, yearly, healthy, operations, and eclipses)
- Database updating.
- Ground station equipment configuration

## **EDUCATION**

- **Bachelor Degree** in Electrical and Electronics Engineering (Communications) 1999 - Alfateh University- Faculty of Engineering – Electrical and Electronic Engineering Department -Tripoli- Libya
- **Master degree** of Science in Electrical and Electronic Engineering (Communications) 2007 Alfateh University- Faculty of Engineering – Electrical and Electronic Engineering Department -Tripoli- Libya (**M. Sc. Thesis: *Study and Failure Analysis of GEO Satellites with Specific Case Study***)

## **PUBLISHED PAPERS**

- “Classifying Various Bacteria Genera by Transfer Learning Model “ Third Conference for Engineering Sciences and Technology (CEST-2020) 01-03 December 2020 /Alkhoms - Libya
- “ Performance Analysis of the High-Speed WDM-FSO-MIMO System Under Different Weather Conditions”. The International Libyan Conference for Information and Communications Technologies (ILCICT 2022) Tripoli – Libya 27 – 30 March 2022
- “Face Recognition Performance Analysis Study with Flipped and Symmetrical Samples Constructed on HOG and LBP”. The International Libyan Conference for Information and Communications Technologies (ILCICT 2022) Tripoli – Libya 27 – 30 March 2022
- “ Malicious Software-based Image Classification Via Deep Convolutional Neural Networks Tobruk University Journal of Engineering Sciences, Volume No. 03 Issue No. 02 , DECEMBER 2022
- “ Implementing a Disaster Recovery Solution for Datacenters Using VMware Site Recovery Manager” Tobruk University Journal of Engineering Sciences, Volume No. 04 Issue No. 01 , JUNE 2023

## **TRAINING**

- **14 months training (Dec/2003- March/2005) on ARABSAT satellites fleet (2A, 2B, 3A)**

### **Including:**

- Satellite subsystems (description, functions, operations, redundancy, failure detection, protections, onboard software, interaction, constrains, etc...)
- Orbit theory
- Simulation on satellite operation ( all nominal and contingency operations lists)
- Control center (ground segment) facilities, ground station software’s, orbital dynamic software, telemetry and Telecommand processing, configuration, redundancy, contingencies, power, etc...

- **4 months on job training (March/ 2005) at control center of ARABSAT fleet.**
- **1 week general training by ASTRIUM \_ Toulouse on Satellites communication systems (Jan/2008)**
- **3 weeks training each on ASTRIUM satellites 4A,4B (Eurostar 2000+) (May/2005) & 5A,5B (Eurostar 3000) (Feb/2009) by ASTRIUM in Toulouse on:**
  - Satellite subsystems (description, functions, operation, redundancy, onboard software's, subsystems interactions, constrains, failure detection, reconfigurations, etc ...)
- **Numerous theoretical and Practical trainings by ASTRIUM ground segment and satellite operational experts cover up:**
  - Monitor satellite performance.
  - Orbital dynamic software activities
  - Preparation and Execution of satellite maneuvers.
  - Prepare nominal operations procedures
  - Execute operations, including ranging, eclipses, calibrations, Interferences, etc.
  - Ground station equipment configuration.
  - Monitor ground segment performance
  - Satellite configurations.
  - Track anomalies.
  - Problem investigations.
  - Prepare and execute contingency plans.
- **6 weeks upgrading practical and theoretical training on RQ1R (Space bus 4000B) \_ Gharyan Station\_ Gharyan City\_ Libya\_ May2010 provided by THALS**
- **CISCO training “Routing and switching “ May 2016 / August 2017**
- **IT Security Awareness Program\_ Tunis\_ Jan 2010**
- **Arabsat Knowledge Transfer Program (Provided by Booz Allen Hamilton) (Feb/2005)**
  - Fundamentals of Financial Accounting
  - Presentation Skills
  - Meeting Management
  - Project Management
  - Time Management

## **Conferences**

- **Third Conference for Engineering Sciences and Technology (CEST-2020) 1-3 December 2020 - AL-Khoms/ Libya**
- **THALES Space Bus User's Club Conference - May 27-28, Cannes, France, 2009**
- **The International Libyan Conference for Information and Communications Technologies (ILCICT 2022) Tripoli – Libya 27 – 30 March 2022**

## **SKILLS**

- Word, Excel, PowerPoint, Internet & Email

## **LANGUAGES**

MOTHER TONGUE            Arabic  
OTHER LANGUAGES:        English  
• Reading skills:            V. Good  
• Writing skills:             Good  
• Speaking skills:          V. Good

## **INTERESTS AND ACTIVITIES**

Currently include reading, swimming and movies.