

Mohamed Mahmoud Ahmed Mohamed El-Ghoboushi

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mgobushi@yahoo.com



Education

- **September 2014 – October 2018:** Faculty of Engineering, Suez Canal University, Ismailia, Egypt. Has been awarded **The degree of "Doctor of Philosophy in Electrical Engineering, Electronics and communications Branch (Communications), Credit Hours System"**.
 - [1] Mohamed El-Ghoboushi, Atef Ghuniem, Abdel-Hamid Gaafar, Hossam El-Din Abou-Bakr, "Geometry Effect on a Multilateration Air Traffic Surveillance System Performance", 2017 International Japan-Africa Conference on Electronics, Communications and Computers (JAC-ECC), p.p:144-151. IEEE, 2017.
 - [2] Mohamed El-Ghoboushi, Atef Ghuniem, Abdel-Hamid Gaafar, Hossam El-Din Abou-Bakr, "Multiple Aircrafts Tracking in Clutter for Multilateration Air Traffic Surveillance System", ITCE'2018 Special Tracks; International Symposium on Wireless Communications (ISWC), IEEE, 2018.
 - [3] Mohamed El-Ghoboushi, Atef Ghuniem, Abdel-Hamid Gaafar, Hossam El-Din Abou-Bakr, "A Multilateration Algorithm Used for Air Traffic Localization and Tracking", 2018, 35th National Radio Science Conference, 2018.
 - **GPA of PH.D Courses: B+ (3.52).**
- **Sep 2008 – May 2014:** Faculty of Engineering, Cairo University, Giza, Egypt. Has been awarded **The degree of "MASTER OF SCIENCE In Electronics and Electrical Communications Engineering"**.
- **Sep 2002 – May 2007** Faculty of Engineering, Cairo University, Giza, Egypt.
 - BSc. in Electronics and Electrical Communications**
 - **Graduation Project:** "Multiple Access Control using two levels of Security System using ATM89C52 Microcontroller Unit with the aid of MATLAB and C++ to recognize the Voice print and password".
 - **Graduation Project Rate:** Excellent

Current Job

- **March 17th 2009 – Present:** *National Air Navigation Services Company (NANSC)*
Egypt – Cairo Airport, Cargo Village road in front of the Ministry of Civil Aviation
As a **Manager** of Air navigation Systems and Engineering Directorate at Port Said airport

- Communication, Navigation, Surveillance (CNS).
Frequents voice control & communications system (VCCS) with 2 console
RES-Q communications system
- Ricochet Recorder
- Navigation aids (THALES DVOR 432 48E\DME 415/435)
- Networks
- Satellite (GSI and INEO STATIONS)
- Radar (SOPKA-2)
- AFTN (IAT System)
- Meteorological instruments to provide aeronautical weather services
- Radio and telecommunications (Sellex TxS & RxS)

Job Certificates

- **March 15th – May 1st 2020: Almaz Center in Moscow.**
Has completed a course of instructions on:
SOPKA-2 and LIRA Radar / REMOTE CONTROL SYSTEM
Theoretical & Practical training covered equipment theory, Alignment and operation of various equipment, Maintenance of Radar system, Fault Location Computer SSR and PSR program
- **Jan 19th 2015: National Air Navigation Services Company (NANSC)**
Has completed a course of the Corrective Maintenance License
- **Jan 18th 2014: National Air Navigation Services Company (NANSC)**
Has completed a course of the Preventive Maintenance License
- **JULY 1st 2013: National Air Navigation Services Company (NANSC)**
Has completed a course of the Specialist License
- **Jan 17th 2013: National Air Navigation Services Company (NANSC)**
Has completed a course of the First Operating License
- **May 1st 2012: National Air Navigation Services Company (NANSC)**
Has completed a course of the Advanced License
- **Nov 21st – Dec 16th 2011: Thales Air Systems Center in Stuttgart, Germany**
Has completed a course of instructions on:
DVOR 432 48E, DME 415/435, Navigation Equipments, RCSE 443 / REMOTE CONTROL SYSTEM
Theoretical & Practical training covered equipment theory, Alignment and operation of various equipment, Maintenance of DVOR 432 48E & DME 415 /435, Fault Location Computer Win-ADRACS program
- **Dec 1st 2010: National Air Navigation Services Company (NANSC)**
Has completed a course of the Basic License

Academic Part time experience

- **February 2020 – Present: Lecturer at Valley Higher Institute for Engineering and Technology - Qalyubia**
 - Computer Organization
 - Fundamentals of Computer programming (using MATLAB)
 - Fundamentals of programming (using C++)
 - Digital Logic Design I
 - Digital Logic Design II
 - Digital Logic Design Lab

- **February 2021 – Present:** Lecturer at **Valley Higher Institute for Administrative, Financial and Information Science - Qalyubia**
 - Fundamentals of programming (using C++)
 - Fundamentals of programming (using Visual Basic)
- **October 2021 – February 2022:** Lecturer at **SCU-ECCAT (Suez Canal University, Egyptian Chinese College for Applied Technology)**
 - Mobile Network testing and Optimization (using ATOL tool)
 - Comprehensive Practical Training of Mobile Network Optimization (using TEMS Investigation tool)
 - Communication Networks Construction (using Packet tracer)
 - Project Management of Communication Engineering

Computer and Programming Skills

- **C++** Programming Language.
- **Visual Basic** Programming Language.
- **ATMEL** and **PIC microcontroller** programming, **Assembly** Programming language.
- **MATLAB** programming.
- Microsoft office.
- Good knowledge of internet search engines.

Communications Courses

- Digital Signal Processing
- Information Theory and Coding.
- Analogue and Digital Communications
- Optical Communication Systems.
- WCDMA, 3G Drive Test and Post processing (using **TEMS Investigation** tool)
- Construction of communication networks (using **Packet tracer**)

Control Courses

- **PLC** using Ladder Diagram and Assembly language.
- **P and ID** <Piping and Instrumentation Diagrams >

Languages

- Mother Language: Arabic.
- English: (Writing and Speaking – Excellent)

Skills

- Ability to Work as a member of team works.
- Ability to Work independently and be self motivated.
- Ability to Work Under pressure.
- Reading all that is new in the world of industrial and technical as possible.
- Bright and positive person
- Strives to find proper solution for the problems.
- High communication ability
- Tough physically and mentally

Hobbies

- ◆ Travel, Reading & Internet.

Personal Information

- Marital Status: **Married.**
- Nationality: **Egyptian**
- Military Status: **Finished**
- Date of Birth: **18/7/1985**
- Address: **Egypt –Ismailia: Zone no. (7)B, Building No. 16, Flat N**

063051

جامعة قناة السويس



كلية الهندسة
قسم الدراسات العليا والبحوث

شهادة دكتوراه



تشهد كلية الهندسة - جامعة قناة السويس

بأن المهندس / محمد محمود احمد محمد الغبوشي.

من مواليد : ١٩٨٥/٧/١٨ م مركز/ قسم : الاسماعيلية محافظة : الاسماعيلية

بطاقة رقم قومي/١١٦٠٠١٩٨١٩٠٧٢٨٥٠٧ : الجنسية : مصري

حصل على درجة

" دكتوراه الفلسفة في الهندسة الكهربائية شعبة الكترونيايات واتصالات " الاتصالات "

" بنظام الساعات المعتمدة "

موضوع الرسالة

" الاستراتيجيات الحديثة لتحسين أنظمة مراقبة الحركة الجوية في جمهورية مصر العربية "

- تاريخ موافقة مجلس الكلية في: ٢٤/٩/٢٠١٨ م.

- وموافقة السيد الأستاذ الدكتور/ رئيس الجامعة بالتفويض عن مجلس الجامعة بالقرار رقم (٢٣٠٢)

بتاريخ : ٩/١٠/٢٠١٨ م

- وقد تحررت هذه الشهادة بناء على الطلب المقدم للكلية.



أ.د/ محمود فؤاد محمود

وكيل الكلية
للدراسات العليا والبحوث
كمال

أ.د/ كمال محمد حافظ اسماعيل

رئيس القسم

محمد

الموظف المختص

محمد

تحريراً في ٢٣/١٠/٢٠١٨ م



