



MAHMOUD MUSTAFA

MUHAMMAD MAHMOUD

Engineer

PERSONAL

Birthday : 29th Aug 1986
Relationship : Single
Nationality : Egyptian
National ID : 28608291401671
Passport number : A07726699 Type : P
Languages : English, Arabic
Military status : Completely Relieved
Driving licence : 726583 , have a car

SKILLS

COMMUNICATION ██████████
CREATIVITY ██████████
TEAMWORK ██████████
ORGANIZATION ██████████
LEADERSHIP ██████████
TEAM PLAYER ██████████

SOFTWARE

Matlab ██████████
VLSI/FPGA ██████████
java ██████████
iWork ██████████
PLC ██████████
PHOTOSHOP ██████████
MS OFFICE ██████████

CONTACT

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PROFILE

I'm Mahmoud Mustapha Experienced Assistant Researcher with a demonstrated history of working in the research industry. Skilled in Analytical Skills, FPGA/VLSI, Matlab, Microprocessor, Microcontroller, PLC Siemens, CCNA, C++, JAVA, HTML, Editing, Renewable Energy, Fiber Optics, Nano Technology and Public Speaking. Strong education professional with a Master's degree focused in Electronics and Communication Engineering from Ain Shams University.

Education

B.Sc. Degree In Communication and Electronics (Very Good)

Name of Final Project : Mobile Multimedia Communication With Grade (Excellent)

Final Project divided to :

Implementation Of WireLAN , Implementation Of Website Design , Implementation Of Wireless LAN , Full Featured Surveillance System Using Internet Cameras.

BOUR ACADEMY- Cairo

ACADEMY For Engineering and Technology (2003 - 2008)

Master's degree Field Of Study Electrical Engineering With Grade (Very Good)

About Master The thesis provides Design & Work of a feasibility study for Solar power plant in Cairo and provides a comparative study between two materials Silicon and Gallium Arsenide solar cells on terrestrial application where we make a design building a system with technical & economical analysis. We study two photovoltaic (PV) systems that used silicon and GaAs materials : PV fixed system (without tracking) and manual tracking. or space applications we measure the correlation between solar radiation pressure and solar cell materials (Silicon and GaAs) for satellites , and we showed that the effect of solar radiation pressure on silicon is larger than on GaAs.

Ain Shams University - Cairo

Faculty Of Engineering (2011 - 2017)

Work Experience

Researcher Assistant in Space Research - Sun and Space Department - National Research Institute of Astronomy and Geophysics | NRIAG , Egypt From 2009 till now .

Website : <http://www.nriag.sci.eg>

E-mail : President@nriag.sci.eg

Name and address of employer : El Marsad street 1, HELWAN, CAIRO, Arab Republic of EGYPT.

Postal Code : 11421

Telephone : +20225560046 , Fax : +20 2 255 48020

- Member of the Organizer team of The 4th Arab Conference of Astronomy and Geophysics under the auspices of the League of Arab States - Cairo 2014.

- Organizer at International workshop on Satellite & Space Missions : Developments & Applications in cooperation with the Conference Series LLC - Cairo 2016.

- Member of the Organizer team of The 5th Arab Conference of Astronomy and Geophysics under the auspices of the League of Arab States - Cairo 2016.

- (Scientific Partner Organizer - Challenger) at Space-Apps Cairo Powered by NASA - Cairo 2017.

- Organizer of International School for young Astronomers | ISYA - International Astronomical Union | IAU - Cairo 2018.

- Member of the Organizer team of The 6th Arab Conference of Astronomy and Geophysics under the auspices of the League of Arab States - Cairo 2018.

- Member of the Internet Committee for the official website & Social Media specialist of NRIAG - From 2018 till Now.

- Member of the scientific Committee a monitoring and control system of Meteors & meteorites at NRIAG - From 2019 till now.

- Member of the scientific team for observing the astronomical phenomenon of the sun perpendicular to the temple of Abu Simbel Pharaonic - February 2019.

- Member of the scientific team to observe Lunar Eclipse - Aswan 2019.

- Member of the Organizer team of the optical Observation of satellite & Space Debris Workshop - NRIAG - Cairo 2019.

- Member of the Organizer team of the 7th Arab Conference of Astronomy and Geophysics under the auspices of the League of Arab States that will be organizing in Cairo 2021.

- Member of the Organizer team of International workshop for teacher training, middle and high school To teach astronomy & space science in cooperation with the Global Hands-Universe | GHOU - that will be organizing in Cairo November 2021.

Courses

- "Mat lab (30 hours), Com Aided Graphics (12 hours), Introduction to Signals, Implementing Windows professional (30 hours), CCNA, N++" — **Obour Academy For Engineering & Technology 2008.**
- "Digital Communications Engineering, Engineering of communication networks & computers, Engineering & applications of optical fiber technology, Software engineering, Programmable logic controller | PLC, AUTOMATIC CONTROL " - **Center of Scientific & Technological Excellence-Ministry of Military Production 2009.**
- VLSI - Based Communication Application Design at **National Telecommunication Institute Held in Ain Shams University - 2009.**
- ICDL - **Leadership Development Center, Cairo 2011.**
- Radar Systems - **AinShams University - 2012.**
- VLSI technology, VLSI Design - **AinShams University - April 2012.**
- Electronics Materials - **AinShams University - 2012.**
- Microprocessor & Interfacing Circuits - **AinShams University - 2013.**
- Selected topics in Opto-Electronics- **AinShams University - 2013.**
- Finish 12 Levels of General English Courses - **AMIDEAST Egypt 2014.**
- Get a 450 score in an TOEFL ITP exam - **AinShams University - 2014.**
- "INTRO TO JAVA" **Faculty OF Engineering - Cairo University 2015.**
- "Marketing" - **GoogleSkills 2018.**
- Participate in a workshop Course titled "Developing world-Class University & Research Center Website" under the Care of Knowledge E Foundation & Egyptian Knowledge Bank - **AinShams University - April 2019.**
- Principle of social media Marketing - **Udemy 2020.**
- "Introduction to Psychology" with Professor Paul Bloom- Open Yale courses- **Yale University 2020.**

Workshop

- "Presentation Survival School" - America-Mideast Educational and Training Services | **AMIDEAST Egypt 2012.**
- Maintenance and Repair of Electronic & Electrical Appliances, Scientific Research Center - **Academy of Scientific Research & Technology 2012.**
- "Design and analysis of space flights and space information" - Department of Astronomy, Space and Meteorology - **Cairo University 2013.**
- International workshop on Satellite & Space Missions : Developments & Applications - **Cairo 2016.**
- International Workshop On Space Weather & Space Navigation - **Beni-Suef University 2017.**
- International School for young Astronomers | ISYA - International Astronomical Union | IAU - **Cairo 2018.**
- Participate in a workshop titled "Small Satellites: The New Challenge in Trieste" - **NRIAG - Cairo 2019.**

Achievement

- Participating in "Astronaut Program" it's a TV Series production of Dubai Television in partnership with the Mohammed Bin Rashid Space Center United Arab Emirates. I'm the only Egyptian qualify for this competition with 24 contestants from the middle east under the Former astronaut and Commander of the International Space Station, Chris Hadfield. - **Dubai 2019**
- Presenting a scientific poster at the 6th Arab Conference of Astronomy and Geophysics under -the auspices of the League of Arab States - **Cairo 2018.**
- Publish Scientific Paper on International Journal OF Advanced Research | ijar - 2016 Comparative Study Between Silicon & Gallium Arsenide ON Grid PV System ISSN 2320-5407 **International Journal of Advanced Research (2016), Volume 4, Issue 3, 2001-2017.**
- Get second place in Space Apps challenge Powered by **NASA - Cairo 2017.**
- Write a Cartoon Book For Children about Renewable Energy in Space Apps challenge Powered by NASA - **Cairo 2017.**
- Presenting a scientific poster at International workshop on Satellite&Space Missions :Developments & Applications - **Cairo 2016.**
- Presenting a scientific poster at the 5th Arab Conference of Astronomy and Geophysics under -the auspices of the League of Arab States - **Cairo 2016.**
- Publish Scientific Paper on Elsevier journal-2018-Research Article : "Correlation Between Solar Radiation Pressure & Space Solar Cells"- **Cairo 2015.**
- Wining the college football college championship & Get Top Scorer Award in this championship- **Cairo 2008.**

Syndicate

Member of Egyptian Engineers syndicate. (membership no: 72/07888) On 08/11/2008.
Member in Federation of Arab Engineers. (member ship no:16/16462) On 10/10/2011.

Social activities & PERSONAL INTERESTS

- Member in Resala Charity Organization.
- Admin in Mohazzaboon Facebook & Twitter Accounts.
- Enjoy all sports particularly Football, Handball and Running.
- Running Facebook Page to share my passion about Space, technology, Architecture, Science, Design, Marketing, Books, History, Photography, Art and Nature : www.facebook.com/ScienceEntertainmentPage
- My photography and designs work on Behance : www.behance.net/MHMu0D

RECOMMENDATION LETTERS FROM

Prof. Gad EL-QADY
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NRIAG, Egypt
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REFERENCES

Available on request