

# Tamer Mohamed Ali Mohamed Saleh

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## Personal Details

- Marital Status: Married
- Nationality: Egyptian
- Date of Birth: 21/05/1988
- Place of Birth: Dakahliya, EGYPT

## Research Interest

- Satellite Sensor Modelling.
- Digital Photogrammetry and Computer Vision.
- Remote Sensing and Photo Interpretation.
- Feature Extraction and Change Detection.
- GNSS Receivers.
- Airborne LiDAR Data Processing and Applications.
- Artificial Intelligence and Deep Learning.

## Education

- **MSc. Degree**
  - M.Sc. in Photogrammetry and Remote Sensing, Sept. 2018, College of Engineering at Shoubra, Benha University, Cairo, Egypt, [GPA 3.05 out of 4].
- **BSc. Degree**
  - B.Sc. in Surveying Engineering, May 2012, College of Engineering at Shoubra, Benha University, with general grade of Excellent (87 %) with Honor Degree, [ GPA 3.5 out of 4].
  - Project grade (Excellent with Honor Degree), in different surveying and mapping tracks.
- **Diploma of Technical Institutes**
  - Diploma in Irrigation, Drainage and Surveying, July 2007, Institute of Surveying, Giza, Egypt, with general grade of Excellent 95.3 % (1906/2000).

## Publications

- Saleh, T., Zahran, M.I., Al-Shehaby, A.R., and Gomaa, M.S. (2018) Performance enhancement of Rational Function Model (RFM) for improved geo-position accuracy of IKONOS stereo satellite imagery. Journal of Geomatics – ISG I Indian Society of Geomatics, Volume 12, No. 1 April 2018.

## Theses

- Saleh, T., Zahran, M.I., Al-Shehaby, A.R., and Gomaa, M.S. (2018) Accuracy Assessment and Enhancement of Rational Polynomial Coefficients of Satellite Imagery. M.Sc., Department of Surveying Engineering, Shoubra Faculty of Engineering, Benha University, Egypt.

## Awards

- 2018 Award of ethical behavior, by the Golden Jubilee of Surveying Engineering Department, Faculty of Engineering, Shoubra, Egypt.
- 2018 Distinguished Thesis Award for MSc dissertation, Surveying Engineering Department, Benha University, Egypt.
- 2015 Award of the Best Teaching Assistant in Surveying Engineering Department, by Shoubra Faculty of Engineering, Egypt.
- 2015 Award of a Good Moral, by the Students of Surveying Engineering Department, Faculty of Engineering, Shoubra, Egypt.
- 2014 Award of Participate in the Quality Requirements at the Department, by Surveying Engineering Department, Faculty of Engineering, Shoubra, Egypt.
- 2013 Award from University City at Shoubra for my Appointment in the College, Egypt.
- 2012 Award for Academic Excellence, Sponsored by Surveying Systems Company, Egypt.
- 2012 Award in a Good Moral Character, by University City at Shoubra, Egypt.
- 2012 Distinguished Employment of Benha University, by Benha University (Three Graduates from the Department are Selected for this Honor Yearly for Teaching in College).
- 2011 Award for Academic Excellence, by University City at Shoubra, Egypt.
- 2011 Award of Distinguished Students Scholars, by Benha University, Egypt.
- 2010 Award for Academic Excellence, by Student Union (Families Committee), Shoubra Faculty of Engineering, Egypt.
- 2010 - 2008 Award of Distinguished Students Scholars, by Benha University, Egypt.
- 2005 Award to get First Place at the County Level, by DAKAHLIYA Governor, Egypt.

## Attended Courses and Workshops

- Geospatial Technologies Conference, Royal Maxim Palace Kempinski, First Settlement, Cairo, Egypt, Geomakani 2018.
- The 10<sup>th</sup> International Symposium on Mobile Mapping Technology (MMT), Cairo, Egypt, 2017.

- Geospatial Technologies Conference, Dusit Thani Lake View Cairo Hotel, Cairo, Egypt, Geomakani 2015.
- Extraction of Digital Elevation Data from Satellite Images using IMAGINE Photogrammetry, sponsored by Edge Pro and surveying systems, Faculty of Engineering at Shoubra, Egypt, 2015.
- How to Write Erasmus Proposal workshop, American University in Cairo, Egypt, 2015.
- The Fourth Arab Conference on Astronomy and Geophysics at the National Research Institute of Astronomy and Geophysics, Helwan, Egypt, 2014.
- Inertial Navigation - State of the Art and Future Trends in Mapping and Navigation Applications, Ain Shams University, Cairo, Egypt, 2014.

## Courses Taught

### B.Sc.

- SUR421 – Advanced Photogrammetry.
- SUR411 – Photo Interpretation and Remote Sensing.
- SUR412 – Geographical Information System (GIS).
- SUR422 – Advanced Geodesy (GPS).
- SUR443 – Digital Terrain Modeling (DTM).
- SUR343 – Close Range Photogrammetry.
- SUR344 – Hydrographic Surveying.
- SUR311 – Photogrammetry (2-A).
- SUR321 – Photogrammetry (2-B).
- SUR212 - Photogrammetry (1-A).
- SUR222 – Photogrammetry (1-B).
- SUR211 – Surveying and Mining.
- SUR313 – Theory of Errors & Adjustment Computations.
- SUR 224 – Computer Applications.
- SUR124 – Engineering Geology (Geologic Maps).
- SUR111 – Surveying (1-A).
- SUR121 – Surveying (1-B).

## Computer skills

- Image Processing and GIS (Erdas Imagine, Imagine Photogrammetry, Envi, Arc GIS, and Photo Modeler).
- GPS Data Processing: Trimble Business Center, Leica Geo Office, and RINEX.
- Development Tools (Matlab).

## Employment Experience

<u>Date</u>		<u>Name of organization</u>	<u>Position Held</u>	<u>Responsibilities</u>
<u>From</u>	<u>To</u>			
Sept. 2018	Present	Benha University	Assistant Lecturer (Full Time)	Undergraduate Courses, Correct the Exams
2 Oct. 2018	Present	Cairo University	Assistant Lecturer (Part Time)	Introduction to Surveying and Mapping
Feb. 2018	May 2018	Pyramids Higher Institute for Engineering and Technology	Teaching Assistant (Part Time)	Introduction to Surveying, Levelling, and Computer Programming for Surveying.
2014	Present	Sun Survey Company	Instructor (Part Time)	Introduction to GPS and Total Stations
Feb. 2013	June 2013	Technical Institute of Surveying	Teaching Assistant (Part Time)	Modern Surveying Instruments, Surveying Computations, and Computer Programming for Surveying.
Sept. 2012	Aug. 2018	Benha University	Teaching Assistant (Full Time)	Undergraduate Courses, Correct the Exams

## Interest

- Research and Reading.
- Swimming and Football.

## Academic Activities

- Coordinator of the Annual Scientific Conference of the Surveying Engineering Department and Associated Activities of this Conference, Faculty of Engineering at Shoubra, Egypt.
- One of Graduation Projects Supervisors in Topographic Surveying and Mapping for a Period of 8 Weeks/Year, Surveying Engineering Department, Egypt.
- Spokesperson and a leader of a Surveying Team in Workshop “Mapping Our Future”, Collage of Girls, Ain Shams University, Egypt, 2017.
- Participate as a Volunteer in the Scientific Trip “Graduation Project”, Collage of Arts, Menoufia University, Egypt, 2015.
- Participate as a Volunteer in Measuring and Mapping the Sea Bed of Qaron Sea at Fayoum Governorate, by Integrating GPS and Echo-Sounder with Traditional Surveying Tools “Graduation Project”, Surveying Engineering Department, Benha University, Egypt, 2014.
- Supervisor on the Student's Activities for Playing Football by El Nasr Sporting Club, Faculty of Engineering, Shoubra, Egypt, 2014-2015.

## Other Activities

- Project Manager at the Center of Engineering Studies and Consultations (CESC), College of Engineering at Shoubra, Benha University. The project involved topographic survey (Matching), Mall of Arabia, 6th of October, Egypt, 2018.
- Training courses for Elaraby Group of Companies and Factories, Egypt as: AutoCAD, Civil 3D, and Surfer, 2018.
- Consultant for surveying works at Mohammed Najib military base, Project for the establishment of 1000 greenhouses, Al-Hammam area west of Alexandria, 2017.
- A member in a surveying team for establishment of horizontal and vertical control points at Police Academy, First Settlement, Cairo, Egypt, 2017.
- Supervision on surveying works at Solar Project in Banban, Aswan, Egypt, 2016.
- A member in a surveying team to perform the surveying works of the new runway of the Almaza airport, 2015.
- A member in a surveying team for many projects at Mall Mohamed Bin Zayed, The New Capital. The projects involved topographic survey, designing horizontal and vertical control networks, 2015.
- A member in a surveying team for planning and mapping the Railway level crossing in many locations allover Egypt, 2014-2016.
- Consultant for Sun Survey Company, (Cairo-Egypt), for Photogrammetry, remote sensing, GPS and GIS works, 2014-2017.

## References

- **Prof. Mohamed I. Zahran**  
Professor of Surveying and Photogrammetry, and Vice Dean of Graduate Studies and Researches,  
Faculty of Engineering Shoubra, Benha University,  
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- **Professor A. Shaker**  
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