



## Curriculum Vitae

### 1. Personal Data:

- **Name:** Ahmed Mohamed Hamdy Ibrahim
- **Position:** Associate professor
- **Department:** Civil Engineering – Public Works
- **Academic E-Mail:** ahmed.hamdy@et5.edu.eg



### 2. Specialization:

- **General Specialization:** Public Works
- **Specific Field:** Geomatics

### 3. Academic Qualifications:

- **Ph.D. Degree of Philosophy in Geomatics Engineering** 06/2015  
Faculty of engineering, Alazhar University  
Thesis Title: **GA for Feature Extraction from Fused Aerial Images and Other Data Sources**
- **M.S.C Degree in Geomatics Engineering** 04/2011  
Faculty of engineering, Alazhar University  
Thesis Title: **Close Range Photogrammetric Applications in Cultural Heritage**
- **Bachelor of Civil Engineering** 05/2003  
Faculty of engineering, Alazhar University  
Grade: **Excellent with Honors Degree**

### 4. Publication

- 1- Study the accuracy obtained from the rectified terrestrial photographs – Civil Engineering Research Magazine (CERM), Vol. (33) no. (1) - 2011
- 2- Genetic algorithms optimization for land-cover classification from high resolution digital imagery – Civil Engineering Research Magazine (CERM), Vol. (50) no. (5) – 2014
- 3- K-Means versus fuzzy C-means as objective functions for genetic algorithms-based classification from aerial images and LiDAR data - Journal of Geomatics pap. 292 – 2015
- 4- Mapping from fused aerial images and LiDAR data using GA-based classification - The Surveying & Development conference SD-2015 conference – 2015
- 5- Global geopotential models assessment using accurate DGPS/precise levelling observations along the mediterranean coastal line, egypt: case study - American Journal of Geographic Information System – 2020
- 6- Improving the accuracy of GNSS data in the absolute point positioning based on linear relation model - International Journal of Geoinformatics (Q3) – 2020
- 7- Enhancing and applying the accuracy of RTK GNSS elevations in earthworks estimation - Australian Journal of Basic and Applied Sciences - 2020
- 8- Evaluation study of GNSS technology and traditional surveying in DEM generation and volumes estimation - Australian Journal of Basic and Applied Sciences - 2020



- 9- Evaluating two numerical methods for developing a local geoid model and a local digital elevation model for the red sea coast, egypt - Journal of King Saud University (Q1) – Engineering Sciences - 2021
- 10- Assessing the accuracy of the geoid heights calculated by interpolation and extrapolation from global geoid models in northern egypt - Journal of Al-Azhar University – Engineering Sector - 2022
- 11- A local geoid of egypt's mediterranean coast: a model based on artificial neural networks - International Journal of Geoinformatics (Q3) - 2022

## **5. Working Experiences**

- **Associate professor** **2023:Till Now**  
Department of Civil Engineering, Faculty of Engineering, Alazhar University, Nasr City.  
Higher Institute of Engineering and Technology, Fifth Settlement, New Cairo.  
Program of Surveying and Geographic Information System, Cairo University.
- **Lecturer** **2015:2023**  
Department of Civil Engineering, Faculty of Engineering, Alazhar University, Nasr City.  
Higher Institute of Engineering and Technology, Fifth Settlement, New Cairo.  
Program of Surveying and Geographic Information System, Cairo University.
- **Teaching Assistant** **2011:2015**  
Department of Civil Engineering, Faculty of Engineering, Alazhar University, Nasr City.
- **Demonstrate** **2006:2011**  
Department of Civil Engineering, Faculty of Engineering, Alazhar University, Nasr City.