

Ayman Ahmed Abdelaziz Hassan

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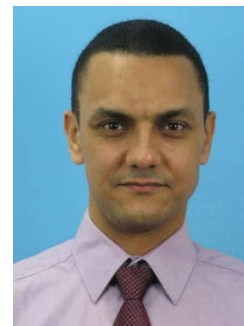
<https://scholar.google.com/eg/citations?user=e2P8EGUAAAAJ&hl=en>

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*Assistant Professor of Surveying and Remote Sensing
Minia University, Faculty of Engineering,
Civil Engineering Department.*

PERSONAL DETAILS:

Family name	Hassan	
Given name	Ayman Ahmed Abdelaziz	
Date / Place of birth	28 – 03 – 1978 (dd-mm-19yy)	Minia
Nationality	Egyptian	
Marital Status	Married and have three children	
Military service	Performed in December 2001 with Excellent degree	
Affiliation	Civil Engineering Department, Faculty of Engineering, Minia University, Minia, Egypt	
E-mail Addresses	ayman.hasan@mu.edu.eg (recommended) ayman.hassan@shao.ac.cn abdelazizayman@gmail.com	
Mobile	+201097720056	



ACADEMIC DEGREES:

Jul 2014	Ph.D. Civil Engineering (Major: Surveying and Remote Sensing), Shanghai Astronomical Observatory, Chinese Academy of Sciences, China. (Certificates attached)
Feb 2010	M.Sc. Civil Engineering (Major: Surveying), Minia University, Faculty of Engineering, Civil Engineering Department.
May 2000	B.Sc. Civil Engineering, Minia University, Faculty of Engineering, Civil Engineering Department. Final year grade is (Good – 73.22%) and the five years' average grade is (VERY Good – 79.67%).

PROFESSIONAL WORK:

Jul 2014 – Current	Assistant Professor of Surveying and Remote Sensing, Civil Engineering Department, Faculty of Engineering, Minia University, Egypt.
Feb 2018 – Aug 2018	Assistant Professor of Surveying and Remote Sensing, Civil Engineering Department, Faculty of Engineering, Nahda University NUB, Egypt.

Sep 2011 - Jul 2014	Ph.D. Scholar, Shanghai Astronomical Observatory, Chinese Academy of Sciences, China
May 2010 - Aug 2011	Assistant Lecturer, Civil Engineering Department, Faculty of Engineering, Minia University, Egypt.
Jan 2002 - Apr 2010	Demonstrator, Civil Engineering Department, Faculty of Engineering, Minia University, Egypt

INTERESTED AREA OF RESEARCH:

Satellite Remote Sensing and its applications, Photogrammetry, Geodesy, Remote Sensing of Hydrology, GRACE satellite data.

TEACHING EXPERIENCE:

Plane Surveying.

Topographic Surveying and Photogrammetry.

Geometric Geodesy and Geodetic Astronomy.

Applied Geodesy.

Introduction to the work with ArcGIS.

Introduction to Remote Sensing and Photo-interpretation.

COMPUTER SKILLS:

ERDAS Imagine	Distinction
ArcGIS Desktop	Distinction
Matlab	Distinction
Surfer	Very Good
Fortran	Good
AutoCAD Civil 3D 2009	Very Good

LANGUAGE PROFICIENCY

Arabic (Mother Tongue)

English (Excellent)

Germany (Poor)

Chinese (Poor)

Other Activities up to date:

- **2014 to 2017**

Assistant member in project: *“Improved African Geoid Model”*, supported by the Science and Technology Development Fund **STDF** in the framework of the German-Egyptian Scientific Projects, Egyptian Ministry of Scientific Research, 2014 – 2017.

Local Project Coordinator: Prof. Dr. techn. Hussein Abd-Elmotaal (abdelmotaal@lycos.com)

- **January,2008 to October,2009**

Assistant member in project no:(*JEP-34039- 2006*): *Integration of Road Engineering IT-technologies - TEMPUS* Joint European Project

Lab place: Minia University, Faculty of Engineering, Civil Eng. Dept.

Coordinator: Prof. Dr.-Ing. Lippold Christian - Technische Universität Dresden.

Local Project Coordinator: Prof. Dr. techn. Hussein Abd-Elmotaal (abdelmotaal@lycos.com)

<http://www.ireiteu.com>

- **April,2005 to March,2007**

Assistant member in project No.: (*C-005-M0*): *Improving Transportation Engineering Education through Field Problems: Proof of Concept for Course Material Prototype*

Supported by: Egyptian Higher Education Enhancement Project Fund (**HEEPF**)

Lab place: Minia University, Faculty of Engineering, Civil Eng. Dept.

Project Manager: Prof. Dr. techn. Hussein Abd-Elmotaal (abdelmotaal@lycos.com)

<http://www.minia.edu.eg/sites/HEEPF/index.htm>

Publications and International Conferences:

Abd-Elmotaal H., Makhloof A., **Hassan A.**, and Ashry M., (2018), Impact of Nasser Lake on gravity reduction and geoidal heights for Egypt, NRIAG Journal of Astronomy and Geophysics, 2018, ISSN 2090-9977, <https://doi.org/10.1016/j.nrjag.2018.02.005>.

Abd-Elmotaal H., **Hassan A.**, (2017), GRACE-like: A Possible Way to Estimate Total Water Storage without Stripes. EGU General Assembly Conference,19,,14003,2017,

Abd-Elmotaal H., **Hassan A.**, (2016), Estimation of GRACE-like Geopotential Models for the Determination of Terrestrial Water Storage. 1st Joint Commission 2 and IGFS Meeting, International Symposium on Gravity, Geoid and Height Systems (GGHS2016), September 19-23, Thessaloniki, Greece

Abd-Elmotaal H., Makhloof A., **Hassan A.**, and Mohasseb H. (2016), Estimation of Ground Water in Africa using GRACE and Hydrological Models: Preliminary Results. 1st Joint Commission 2 and IGFS Meeting, International Symposium on Gravity, Geoid and Height Systems 2016, September 19-23, Thessaloniki, Greece. Submitted to International Association of Geodesy Symposia (IAGS).

Hassan A.A., and S.G. Jin (2016), Water storage changes and balances in Africa observed by GRACE and hydrologic models, *Geodesy and Geodynamics*, Volume 7, Issue 1, 2016, Pages 39-49, ISSN 1674-9847, <https://doi.org/10.1016/j.geog.2016.03.002>.

Hassan, A.A., and S.G. Jin (2014), Lake level change and total water discharge in the East Africa Rift Valley from satellite-based observations, *Global Planet. Change*, 117, 79-90, doi: 10.1016/j.gloplacha.2014.03.005.

Jin, S.G., **A.A. Hassan**, and G.P. Feng (2012), Assessment of terrestrial water contributions to polar motion from GRACE and hydrological models, *J. Geodyn.*, 62, 40-48, doi: 10.1016/j.jog.2012.01.009.

Hassan, A.A., and S.G. Jin, Water storage and level variations in Lake Nasser (Africa) from satellite gravimetric and Landsat data, *Proceeding of International Gravity Field Service (IGFS) General Assembly (IGFS2014)*, June 1- July 6, 2014, Shanghai, China.

Jin, S.G., and **A.A. Hassan**, Lakes level change in East Africa from satellite altimetry, GRACE and TRMM, *Proceeding of XXXI General Assembly and Scientific Symposium of the International Union of Radio Science*, August 17-23, 2014, Beijing, China, pp.

Hassan, A.A., and S.G. Jin, Water cycle and climate signals in Africa observed by satellite gravimetry, *Proceeding of the 35th International Symposium on Remote Sensing of Environment (ISRSE35)*, 2014 IOP Conf. Ser.: Earth Environ. Sci., 17, 012149, pp.1-6, doi: 10.1088/1755-1315/17/1/012149.





Shanghai Astronomical Observatory,
University of Chinese Academy of Sciences



Certificate



This is to certify that **Mr. AYMAN AHMED ABDELAZIZ HASSAN**, born in Egypt on March 28, 1978, has studied at Shanghai Astronomical Observatory, University of Chinese Academy of Sciences, for the Ph.D. degree from September 2011 to June 2014 with the following details:

Ph.D. Dissertation Title: Water Balance in Africa Observed by Satellite Gravimetry and Remote Sensing

General Study Direction: Astrometry and Celestial Mechanics

Major Field of Study: Geodesy and Remote Sensing Applications

The Ph.D. degree is awarded to **Mr. AYMAN AHMED ABDELAZIZ HASSAN** on July 6, 2014 with the certificate No. 8000122014001446. He has finished his thesis defense successfully in May 30th at Shanghai Astronomical Observatory.

Registrar (Stamp): Dean's Office
Department of Graduate Affairs
Shanghai Astronomical Observatory, Chinese Academy of Sciences

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