

Contact Info:

Name: Hassan Gaber El-Ghazouly

Title: Professor, Head of Construction and Management Department

Tel: 493

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Room: 324



Biographical sketch:

(Academic Degrees- Fellowships and Associations)

EDUCATION

-Hungarian Academy of Science, Sopron, Hungary. 1988

Ph. D. in Civil Engineering under the title of:

A PROPOSAL FOR MONITORING EGYPTIAN RECENT CRUSTAL MOVEMENTS

- **Alexandria University**, Alexandria, Egypt. 1981

M. Sc. in Civil Engineering under the title of:

PERSPECTIVE AND OTHER AZIMUTHAL PROJECTIONS OF THE EARTH SPHEROID

- **Alexandria University**, Alexandria, Egypt. 1975

B. Sc. in Civil Engineering, Honor Degree

ACADEMIC WORK EXPERIENCE

- Alexandria University, Alex. Egypt

Wide experience in teaching the following for graduate and undergraduate students: Engineering Survey, Geodetic Survey, Photogrammetry, Computer programming and its applications in geodesy.

Posts Held

- • Pharos University in Alexandria

Head of Construction Engineering and Management Department

November 2013 – to date

- • Damietta Container and Cargo Handling Corporation

Member of the Board of Directors January 2013 – to date 2

- • Alexandria University

Head of Transportation Department January 2012 – August 2013

- • Alexandria University

Prof. of Surveying and Geodesy, Transportation Dept.

August 2010 – to date

- • Jamahiriya Libya

Cultural Counsellor and Director of Cultural Centre

July 2007 – July 2010

- • Alexandria University

Prof. of Surveying Geodesy, Transportation Dept.

Oct.2006 – July 2007

- • Beirut Arab University,

Head of Civil Eng. Dept. **Sept.2003–Sep.2006**

Professor of Surveying and Geodesy **Sept. 2002 – Sept.2003**

- • Alexandria University

Associate Prof., Transportation Dept. **June 1995 – May 2003**

Assistant Prof., Transportation Dept. **Dec. 1988 – May 1995**

Assistant Lecturer, Transportation Dept. **Feb. 1982 – Nov. 1988**

Teaching Assistant, Transportation Dept. **Oct. 1975 - Jan. 1982**

- **Arab Academy of Science and Maritime Transport 1998 to 2001**

Teaching of Building Construction at College of Engineering and Technology.

- **Arab Academy of Science and Maritime Transport 1996 to 2001**

Teaching for graduate student at College of Maritime Transport.
Many researches in the field of Earth Tectonic Movement and in Earthquake Expectation.

Participate with the Helwan National Research Institute for Gravity and Astronomy in Researches and studying of GPS systems.

Participate in many conferences around the world.

PROFESSIONAL WORK EXPERIENCE 1975 - to date

- Consultant Engineer for Numerous Projects in Egypt 1- Surveying of 70km petrol pipeline from Hallat-el Mahjar to Kattamieh Airport
- 2- Surveying of 35km petrol pipeline from the Tanta to the airport
- 3- Surveying and land development of Mina2, Mina3, and Mina4

Some of the projects undertaken:

- 4- Surveying of the town of Andalusia and the town of Asala
 - 5- Structural design of a concrete dome in Damiatta
 - 6- Structural design of the Ferro Egypt cardboard factory
 - 7- Design of a factory
 - 8- Structural design of Assalama Hospital in Alexandria
 - 9- Structural design of Paradise Inn, Maamoura
 - 10- Preliminary design and detail execution drawings of sewer and water infrastructure, AL Amria, Alexandria
 - 11- Structural details of the sewer treatment plant in Al Amria , Alexandria
 - 12- Supervision of the environmental impact assessment for the sewer infrastructure and treatment plant in Al Amria , Alexandria
- Consultant Engineer for Al-Fath office Abouzabi – United Arab Emirates

	<p>PROFESSIONAL AFFILIATION Member of the Scientific Research Magazine in Geodesy and Geophysics in Hungary.</p> <p>AWARDS University of Alexandria Award for Science Achievements. 1996</p> <p>PERSONNEL Date of Birth: 23/12/1952 Nationality: Egyptian. Marital Status: Married.</p>
<p>Publications:</p>	<p>1- A PROPOSAL FOR GEODETIC MONITORING OF TECTONIC MOTIONS IN EGYPT . Acta geod. geoph. mont. hung., vol 23(2-4), pp.219-236(1988)</p> <p>2- INTEGRATED MODELS FOR DETECTING HORIZONTAL PLATE TECTONIC MOTIONS. Instrumentation theory & analysis for integrated geodesy 1988- may 16-20-sopron hungary</p> <p>3- OBSERVATION TECHNIQUES AND METHODS OF DEFORMATION OF RECENT VERTICAL MOVEMENTS. Towards better Environment - 1st International conference Transportation Dept.- Faculty of Eng. Alex. 14-16 April 1992.</p> <p>4- COMPARATIVE ANALYSIS OF SOME ESTIMATION MODELS FOR ADJUSTMENT OF MICRO NETWORKS. Towards better Environment - 1st International conference Transportation Dept.- Faculty of Eng. Alex. 14-16 April 1992.</p> <p>5- GRAVITY EFFECT IN PRECISE LEVELLING. AEJ, Vol.33 No. 1 January 1994</p> <p>6- POTENTIAL OF CRUSTAL MOVEMENTS AS PRECURSORS FOR EARTHQUAKE PREDICTION IN ASWAN REGIO. AEJ, Vol.33 No. 3 April 1994.</p>

7- THE USE OF ELASTIC REBOUND MODEL IN DESIGN AND EVALUATION OF DEFORMATION. AEJ, Vol.33 No. 2 April 1994.

8- GEOMETRICAL ANALYSIS OF TRAVERSE MISCLOSURE. AEJ, Vol.33 No. 4 October 1994.

9- STATISTICAL ANALYSIS OF COLLECTED SEISMIC AND GEODETIC DATA FOR THE ESTIMATION OF PRELIMINARY DEGREE OF EARTHQUAKE HAZARD. AEJ, Vol.33 No. 4 October 1994

10- A PROGRAM PACKAGE FOR MERCATOR PROJECTION AS APPLIED IN EGYPT. Second Conference on Civil Engineering, Military Technical College, Cairo 8-10 November 1994.

11- TOWARDS AN EGYPTIAN EARTHQUAKE PREDICTION PROGRAM. AEJ, Vol.34 No. 1 January 1995.

12- EFFECT OF ATMOSPHERIC CONDITIONS ON ELECTROMAGNETIC DISTANCE MEASUREMENTS. AEJ, Vol.38 No. 4 July 1999.

13- A PROGRAM PACKAGE FOR LAMBERT CONFORMAL CONICAL PROJECTION, TRANSVERSE MERCATOR PROJECTION AND DIFFERENCE BETWEEN THEM. AEJ, Vol.38 No. 4 July 1999.

14- USE OF GEOMATIC DATA FOR MONITORING DEFORMATION. AEJ, Vol.39 No. 5 September 2000.

15- PERFORMING OF GEOGRAPHICAL ANALYSIS IN SURVEYING. Fourth Alex. Int. Conference on Structural and Geotechnical Engineering. 2-4 April 2001.

16- ERROR ANALYSIS FOR GLOBAL POSITIONING SYSTEM NETWORK. AEJ, Vol.40 No. 2 July 2001.

17- CUSTOMIZING OF ARC/INFO TECHNIQUE USING SIMPLE MACRO LANGUAGE. AEJ, Vol.40 No. 3 May 2001.

18- TOPOGRAPHIC MAPPING FROM DIGITAL AERIAL PHOTOGRAMMETRY: A CASE STUDY. AEJ, Vol.40 No. 5 September 2001

19- CONTOURING USING DIFFERENT SOFTWARE PACKAGE. AEJ, Vol.40 No. 5 September 2001.

20- PRESENT-DAY CRUSTAL DEFORMATION DERIVED FROM CONTINUOUS GPS ARRAY. A study case in Japan. AEJ, Vol.41 No. 1 January 2002

21- EFFECT OF TROPOSPHERIC DELAY ESTIMATION ON GPS BASELINE ACCURACY: AN APPLICATION TO A NETWORK ALONG THE GULF OF SUEZ, EGYPT.

Alexandria Engineering Journal, vol. 41 (2002), no.4,715-719.

22- A PROPOSED LOCAL DRY ZENITH DELAY MODEL FOR EGYPT, DERIVED FROM SURFACE PRESSURE DATA. Alexandria Engineering Journal, vol. 41 (2002), no.5, 821-827

23 - القومى المؤتمر . ومستقبل حاضر ضرورة مصر فى الجامعات تطوير -
لمركز الثانى السنوى

المؤتمرات قاعة 11 / 2 / 1995 - 10 / 31 / 1995
- شمس عين جامعة

24 - والمؤسسة التدريس هيئة وأعضاء الطلاب لدى الجامعى الأداء قياس -
التعليم مؤتمر التعليمية

القادة إعداد مركز 1996 مايو 21 - 20-21 القرن وتحديات مصر فى العالى
- المركزى الجهاز

القاه الإدارة لتنظيم

**Academic Research
Interests:**

Cadastral and Topographic Surveying
Engineering Surveying and Photogrammetry