Personal data

**Name:** Mohamed Abd El-Aal Yousef.

**Date of Birth:**  April 7, 1954.

**Place of Birth:** Assiut, Egypt.

**Nationality:** Egyptian.

**Current Address:** Omara 9, Masaken Lux Alwalidiah, Assiut.

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Education

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| --- | --- | --- | --- |
| School | **Name** | **Date** | Major & Professional |
| **Undergraduate** | B. Sc. Faculty of Engineering, Assiut University, Egypt. | June 1977 | Mining & Met. Engg.  Project: Mine Surveying |

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| Graduate | M. Sc. Degree  Faculty of Engineering,  Assiut University, Egypt. | April 1984 | Mining Engineering (Rock Mechanics) |

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| **Postgraduate** | **Doctor of Engineering**  Department of Geodesy and Mine Surveying, University of Freiberg, Freiberg, Germany. | DEC. 1993 | **Surveying**  (Geodesy & Mine Surveying) |

Languages

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Language professional** | **Reading** | | | **writing** | | | **conversation** | | |
| **Excel.** | **V. Good** | **Good** | **Excel.** | **V. Good** | **Good** | **Excel.** | **V. Good** | **Good** |
| **Arabic** |  |  |  |  |  |  |  |  |  |
| **English** |  |  |  |  |  |  |  |  |  |
| **German** |  |  |  |  |  |  |  |  |  |

Computer Use

**Excel 2007, Surfer 10, Leica Survey office, Liscad 9, Ashtech Solution, Kaleida graph, Grapher, Mathcad 11, Matlab 7, Autocad 2013, Word 2010, Powerpoint2007, Land Surveying.**

EMPLOYMENT HISTORY

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| --- | --- | --- | --- | --- | --- |
| Institution | **Period** | | **Title** | **Nature of work** | **Type of work** |
| **From** | **to** |
| Assiut University, Egypt | 1977 | 1984 | Demonstrator | T & R | Full |
| Assiut University, Egypt | 1984 | 1988 | Assistant lecturer | T | Full |
| Freiberg University, Germany | 1988 | 1994 | Research Assistant | R | Full |
| Assiut university, Egypt | 1994 | Oct.  2005 | Assistant Professor | T & R | Full |
| Assiut university, Egypt | Oct. 2005 | Now | Associate Professor | T & R | Full |

T= teaching, R= research.

University Teaching

**Undergraduate courses:**

1. Geodetic Surveying & Mine Surveying, Assiut university.
2. Geodetic Surveying, Al-Azhar University.
3. Plane Surveying, Assiut University, El-Minia University.
4. Topographic ang Photogrammetric Surveying and Remote Sensing, Assiut University, El-Minia University
5. EDM (Total Station) & GPS, Assiut University.
6. Traverses, Assiut University.

**M. Sc. and PH.D. Graduate courses:**

1. Advanced Geodesy.
2. Advanced Topics of EDM and GPS.
3. Tunneling Surveying, Assiut University.

**B. Sc. Graduation Projects Supervision (Full Supervision):**

Surveying Projects (Triangulation Net, Countour Mapping, Tunneling Surveying and Cadastral Surveing for all Students of 3rd Year . (1982 to 1986, 1995/1996 till 2015).

Surveying Projects for 4th Year Students

1. Accurate Surveying Measurements for Tunnels Connection and Traverses. (2000/2001).

2. Surveying Applications using EDM & GPS Observations at Surface "Triangulation and Trilateration". (2001/2002).

3. Accurate Surveying Observations at Surface (Traverses) using EDM and GPS. (2002/2003).

4. Positioning the Reference Points Using EDM and GPS (2004/2005).

5. Surveying Applications "Leveling" using Total Station & GPS (2005/2006).

6. Advanced Surveying Applications (Cadastral Surveying using EDM and GPS in added to conventional techniques) (2006 / 2007 ).

7. Advanced Surveying Methods (EDM and GPS Distances) (2008/2009).

8. Advanced Surveying Applications (GPS and Total Station) (2010/2011).

9. Use of GPS for Surveying Applications (2012/2013).

10. Total Station Observations through Tunnels Using Fixed Wall Points (2013/2014).

11. Estimating the technical Specificationsfor Total Stations and GPS Instruments through Field Observations (Part 1: Total Stations) (2014/2015).

Publications

by M. A. Yousef

1. Yousef, M. A. : “Trilateration Against Triangulation Network”, Journal of Engineering Sciences, Faculty of Engineering, Assiut University, Vol. 31, No. 4, PP. 995-1002, October 2003.
2. Yousef, M. A. : “Optimum Selection of Instruments for Traverse Field Observations; Part 1: Relation between Maximum Field Errors and Methodical Measures of Errors”, Journal of Engineering Sciences, Faculty of Engineering, Assiut University, Vol. 31, No. 3, PP. 743-762, JUly 2003.
3. Yousef, M. A. : “On Line Field Control of Traverses.”, Journal of Engineering Sciences, Faculty of Engineering, Assiut University, Vol. 30, No. 1, PP. 315-332, January 2002.
4. Yousef, M. A. : “Relation Between Maximum Field Observations Errors Criteria and Methodical Ones of Traverses”, Proceedings of the 7th International Conference on Mining, Petroleum and Metallurgical Engineering, Assiut University, Assiut, Egypt, 10-12 February 2001.
5. Yousef, M. A. and Elsageer;H. A.: “Study Of Some Factors Affecting The Loading Of The Immediate Roof Layer Due To Face Advance In Longwall Mining Method Using Gelatin Models”, Proceedings of the 7th International Conference on Mining, Petroleum and Metallurgical Engineering, Assiut University, Assiut, Egypt, 10-12 February 2001.
6. Yousef, M. A. : “Effect of Centering Technique on Accuracy of Field Surveying Observations”, Journal of Engineering Sciences, Assiut University, Vol. 32, No. 1, pp. 521-530, January 2004.
7. Yousef, M. A. : "Study the Effect of Elevation Mask on GPS Accuracy", Journal of Engineering Sciences, Assiut University, Vol. 32, No. 3, pp. 1281-

1290, July 2004.

1. Yousef, M. A. : “Optimum Duration of GPS Static Observations For Accurate Positioning”, Journal of Engineering Sciences, Assiut University, Vol. 33, No. 4, pp. 1463-1475, July 2005.
2. Yousef, M. A. and El Sageer, H., A. : “Distribution of Stresses Arround Tunnel Openings Using Reflected Polariscope”, 10th International Mining, Petroleum and Metallurgical Engineering Conference, Assiut University, Assiut, Egypt, 6 – 8 arch 2007.
3. Yousef, M. A. and El Sageer, H., A.: “Distribution of Stresses Arround Adjacent Tunnels Using Reflected Polariscope (Part 1)”, 10th International Mining, Petroleum and Metallurgical Engineering Conference, Assiut University, Assiut, Egypt, 6 – 8 March 2007.
4. Mostafa, F. , Mostafa, Y. and Yousef, M., A. : ”The Optimal Method for Classifying High Resolution Satellite Images”, Journal of Engineering Sciences, Assiut University, Faculty of Engineering, Vol. 42, No. 4, pp. 1106-1121, July 2014.
5. Mostafa, F. , Mostafa, Y. and Yousef, M., A. : ”Using of High Resolution Satellite Images for Updating Large Scale Mapping in Egypt”, Journal of Engineering Sciences, Assiut University, Faculty of Engineering, Vol. 42, No. 4, pp. 1122-1137, July 2014.
6. Yousef, M. , A. and Ragheb, M., K., : ”Effect of Recording Interval on GPS Accuracy”, Journal of Engineering Sciences, Assiut University, Faculty of Engineering, Vol. 42, No. 5, pp. 1215-1231, September 2014.
7. Yousef, M., A., AbdElHamid, A., M. and Elashiry, A. A., : “Adjustung of Absolute Point Positioning Accuracy”, 7th International Conference on Engineering Technologies in “Civil Engineering, Architecture and Environmental Engineering for Global Sustainability” ( CEAEGS-2015 ), 4th and 5th April, 2015, venue: Jawaharlal Nehro University, New Delhi, Journal of Basic and Applied Engineering Research, Krishi Sanskriti Publications, http://www.Krishisanskriti.org/jbaer.html, No. 8, pp. 604-609, April-June, 2015.
8. Yousef, M., A., AbdElHamid, A., M. and Elashiry, A. A., : “Enhancement of the Single Point Positioning Accuracy (Using the Observations of IGS Service)”, International Journal of Civil, Structural , Environmental and Infrastructure Engineering Research and Development (IJCSEIERD), Vol. 5, No. 3, pp. 1-10, TJPRC Pvt. Ltd., [www.tjprc.org](http://www.tjprc.org), June, 2015.

**Community services**

Consultations:

Member of the Consultatory Office of the Faculty of Engineering, Assiut University since1994 for all Surveying Works of Engineering works (more than 50 different surveying workss).

**Industrial projects:**

1. Carrying out the Surveying Works (Positioning, Laying-Out, Leveling & Contour Mapping) of the Second Industrial City of Governorate Quena, Egypt.
2. Carrying out the Surveying Works (Positioning, Laying-Out, Leveling & Contour Mapping and Cadastral Surveying) of the land of Chipsy Factory, Assiut, Egypt.
3. Carrying out the surveying Works (Positioning, Laying-Out, Leveling & Contour Mapping as well as Cadastral Surveying) of the Tourist Hotel (Toleep), South-West of Luxor, Egypt.
4. Carrying out the surveying Works (Positioning, Laying-Out, Leveling & Contour Mapping as well as Cadastral Surveying) of Sugar Factory, Abu Kurkas , El Minia, Egypt.
5. Carrying out the surveying Works (Positioning, Laying-Out, Leveling & Contour Mapping as well as Cadastral Surveying) of Sugar and Paper Factories, Kus , Quena, Egypt.
6. Carrying out the surveying Works (Positioning, Laying-Out, Leveling & Contour Mapping as well as Cadastral Surveying) of Sugar Factory, Edfu , Aswan, Egypt.
7. Carrying out the surveying Works (Planing, Laying-Out, Leveling & Contour Mapping as well as Cadastral Surveying) of the Industrial Zone in Dashlut, Assiut, Egypt.
8. Bordering, Positioning and Laying out at Investiment Zone, Manfalut, Assiut, Egypt.
9. Bordering, Planing and Positioning of the Drainage Zone of El Badari, Assiut, Egypt.
10. Planing, Laying-Out, Leveling & Contouring, Cement Factory (Cemex), Assiut, Egypt.
11. Training the Graduates on the surveying methods and Instruments as well as on Surveying Softwares; especially on Total station and GPS.
12. Bordering, Positioning, Contouring and Laying out on the red sea Zone, Hurghada, Egypt.
13. Cadastral Surveying for Um El Kusur Hospital, Manflut, Egypt.
14. Continuous Observing, Computing and Evaluating the verticality of the old mosques of Upper Egypt.
15. Observing and computing cut-and fil volumes of the gas pipe lines for Assiut-zones, Egypt.
16. Continuous Observing, Computing and Evaluating the verticality of the neighbour houses to the drainage well of Manfalut, Assiut, Egypt.
17. All surveying workings for New Assiut City.
18. Surveying works for Safaga Maritime port (Red Sea).
19. Continuous Observing, Computing and Evaluating the verticality of the neighbour houses to the watering and drainage well of Dairut, Assiut, Egypt.
20. Surveying works for Sohag road, Sohatg Governorate.
21. Setting out and laying out workings at El Kawamel Area, New Sohag City.
22. Offsetting and Contouring of New Sohag City – West desert Road, Sohag.
23. Topographing and Cut Computations of River Nile and Intake Channel of Electrical Power Station of Al Walidiah, Assiut.
24. Bordering , Laying out and Ore Reserve computations of Feldspar Ores, Asswan.
25. Setting Out of Axes of Buildings for Saudi-Egyptian Company at New Assiut City Zone.
26. Follow Up of the verticality of Abu Dunkhol School, El Helali Street, Assiut.
27. Follow Up of the verticality of Gaber Building, Teachers City, Assiut.
28. Positioning Borders and Laying out of Assiut University Extension in new Assiut City.
29. Setting Out and Laying out workings of Drainage Lines of Faculty of Engineering, Kafr El Sheikh.
30. Laying out of Football Stadium, Mubarak City, Assiut.

**Assessment, Pre-Approval and Approval Workings:**

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| **No.** | **Activity** | **Location** |
| 1 | Technical and geometrical specifications of Surveying Instruments to be purchased ( Theodolites, Total Stations, GPS, Planimeters, VHF Hand-Held Transceiver, Field Telescopes and other tools). | Faculty of Engineering  Assiut University |
| 2 | Technical Reports and Pre-Approval for the offered Surveying Instruments. |
| 3 | Approval for the Surveying Instruments and Tools to be purchased. |
| 4 | Examinating and calibrating the Instruments. |
| 5 | Annual Examination and Adjustment of Instruments before and after Surveying projects. |

**Proffessional, Laboratories Development and Examens Workings:**

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| --- | --- | --- |
| **No.** | **Activity** | **Location** |
| 1 | Development of Surveying Laboratory. | Faculty of Engineering  Assiut University |
| 2 | Preparation and development of undergraduate cources (Geodesy, Mine Surveying, Introduction to EDM & GPS and plane surveying). |
| 3 | Preparation and development of graduate cources (Advanced Geodesy, EDM and GPS). |
| 4 | Preparing cource specification and reports for undergraduate and graduates. |
| 5 | Participation at Examens workings. |
| 6 | Preparing the semesters study tables. |

**Participation in Suprvision on MSc and PHD Workings:**

* PHD of Eng. Sabry Abdul Mageed at the field of " Tunnel Surveying" in participation with Prof. Dr. Hassan Aly Abdul Hak, Faculty of Engineering, Assiut University ( discussed at 2009).
* PHD of Eng. Ahmed Abu Bakr Ibrahim at the field of " Engineering Surveying" in participation with Prof. Dr. Abd El-Aal Mohamed Abd El-Wahed, Faculty of Engineering, Assiut University.
* M.Sc. of Eng. Mustafa Kamel Ragheb at the field of " Engineering Surveying" in participation with Prof. Dr. Abd El-Aal Mohamed Abd El-Wahed, Faculty of Engineering, Assiut University( discussed at April 2015).
* M.Sc. of Eng. Faten Ahmed Mustafa at the field of " Engineering Surveying" in participation with Prof. Dr. Yousef Aly Abbas, Faculty of Engineering, Assiut University( discussed at April 2015).