CV Dr. Ragab Khalil Mohamed

1. **Personal**

### Name : Ragab Khalil Mohamed

**Occupation :** Associate professor at Civil Engineering Department, Faculty of Engineering, Assiut University, Egypt.

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**URL :**

# Education

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| in Civil Engineering with grade “Very good with honor’s degree”, Civil Engineering Department, Faculty of Engineering, Assiut university, Assiut, Egypt. | **B.Sc. degree** May 1989 |
| in Civil Engineering (Surveying), Faculty of Engineering, Assiut university, Assiut, Egypt. | **M.Sc** **degree** January 1994 |
| at Innsbruck University, Austria from September 1997 till September 1999. | **Ph.D. student** |
| in Civil Engineering (Surveying), Faculty of Engineering, Assiut university, Assiut, Egypt. | **Ph.D.** **degree** December 1999 |

# Fields of interest

* **Geomatics**
* **Geographic Information System (GIS)**
* **Global Positioning System (GPS)**
* **Remote Sensing**
* **Digital Elevation Model (DEM)**
* **Surveying**

# Academic Records

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| --- | --- |
| at Civil Engineering Department, Faculty of Engineering, Assiut University, Egypt. | **Demonstrator** Nov.1989- Jan.1994 |
| at Civil Engineering Department, Faculty of Engineering, Assiut University, Egypt. | **Assistant Lecturer** Jan.1994- Sep.1997 |
| at Civil Engineering Department, Faculty of Engineering, Assiut University, Egypt. | **Assistant professor**Dec. 1999 – Aug.2001 |
| at Landscape Architecture Department, Faculty of Environmental Design, King Abdulaziz University, Saudi Arabia. | **Assistant professor**Aug. 2001 – July 2008 |
| at Civil Engineering Department, Faculty of Engineering, Assiut University, Egypt. | **Associate professor**July 2008 – till now |
| at Landscape Architecture Department, Faculty of Environmental Design, King Abdulaziz University, Saudi Arabia. | **Associate professor**Oct. 2008 – till now |

# Dissertations

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| ***The effect of DEMs sampling on earthwork surveying accuracy***, Assiut university, Assiut, Egypt. | **M.Sc** **Dissertation** Dec. 1993 |
| ***Evaluation of developed new surveying method for railway measurements***, Assiut university, Assiut, Egypt. | **Ph.D. Dissertation**Nov.. 1999 |

# Symposiums and workshops (last 10 years)

1. FIG working week 2005 and GSDI-8, Cairo, Egypt, 16-21 April 2005. *(Publishing a paper)*
2. The 2nd Workshop In City Planning And Environmental Design Curricula Development, Jeddah, Saudi Arabia, 24-25 May 2005. *(Attendance – present a paper)*
3. The first National GIS Symposium in Saudi Arabia, Al-Khobar, Saudi Arabia, 21-23 November 2005. *(Attendance – present a paper)*
4. FIG working week 2007, Hong Kong SAR, China, 13-17 May 2007. *(Publishing two papers)*
5. FIG Working Week 2008, Stockholm, Sweden, 14-19 June 2008. *(Publishing one paper)*
6. Geomatics Technologies in The City, Jeddah, Saudi Arabia, 10-11 may 2011. *(Attendance)*
7. The seventh National GIS symposium and exhibition in Saudi Arabia. Dammam, April 28 – May 1, 2012. *(Attendance – present a paper)*

# Research Experiences (last 10 years)

1. Ragab Khalil "***New Compact Method for Laboratory Testing EDM Instruments***", Geomatics International Magazine (GIM), Vol. 19, No. 4, April 2005.
2. Farrag A.F. and Ragab Khalil "Detailed ***Investigation of Sampling and Interpolation Techniques for DEMs Derived from Different Data Sources***", Journal of Engineering Science (JES), Assiut University, Vol.33, No. 5, September 2005.

# Ragab Khalil and Ahmed Al-Gilani "*Documenting Kara Caravan trail using multi-temporal remote sensing and GIS techniques*", Paper submitted to the first National GIS symposium and exhibition in Saudi Arabia. Al-khobar, November 19-21, 2005.

1. Khalil R. 2007, *Investigate the efficiency of Proposed Techniques to Improve Area Calculation Using Simpson and Trapezoidal Rules*, FIG working week 2007, Hong Kong SAR, China, 13-17 May 2007.
2. Khalil R. 2007, ***Enlargement the Sighting Distance of Sokkia Digital Level SDL30*,** FIG working week 2007, Hong Kong SAR, China, 13-17 May 2007.
3. Ebrahim, M. and Khalil R. 2008, ***New Mobile Road Mapping System Using Digital Sensors*,** FIG working week 2008, Stockholm, Sweden, 14-19 June 2008

# Khalil R. 2012, "*Site Suitability analysis using logical process in GIS*", Paper submitted to the seventh National GIS symposium and exhibition in Saudi Arabia. Dammam, April 28 – May 1, 2012.

1. Khalil R. 2013, " ***Decision support system for Tunnel alignment based on GIS"***, Civil Engineering Research Magazine (CERM), Al-Azhar University, Vol.35, No. 1, January 2013.
2. Khalil R., 2013, "***The Accuracy of GIS Tools for Transforming Assumed Total Station Surveys to Real World Coordinates***," *Journal of Geographic Information System*, Vol. 5, No. 5, pp. 486-491. <http://www.scirp.org/journal/PaperInformation.aspx?PaperID=38189#.U07drVdIMvw>
3. Khalil R., 2014, “***Quantitative evaluation of distribution and accessibility of urban green spaces (Case study: City of Jeddah)****” International Journal of Geomatics and Geosciences,* Vol. 4, No 3, pp. 526-535. <http://www.ipublishing.co.in/jggsarticles/volfour/EIJGGS4046.pdf>
4. Khalil R., 2014, “***Computing pit excavation volume using Multiple Regression Analysis****” International Journal of Geomatics and Geosciences,* Vol. 5, No 1, pp. 43-49.

 *www.ipublishing.co.in/jggsarticles/volfive/EIJGGS5005.pdf*

1. Khalil R., 2015, “***Credibility of 3d Volume Computation Using GIS for Pit Excavation and Roadway Constructions****” American Journal of Engineering and Applied Sciences,* Vol. xx, No xx, pp. xxxx. Under publication
2. Khalil R., xxxx, “***Accuracy evaluation of long-range reflectorless distance measurement****” Journal of Surveying Engineering,* Vol. xx, No xx, pp. xxxx. Under publication

# Teaching Experiences

* Plane surveying,
* Topographic Surveying
* Photogrammetry
* Geodesy
* Remote Sensing
* Geographic Information System (GIS)
* Surveying and construction
* Surveying computations
* Computer Applications in Surveying
* Surveying for Environmental Design
* Computer Applications in Landscape Architecture
* Landscape technology
* Landscape Planning

# Practical Experiences

* Participate in and carry out more than 26 surveying and mapping projects in Egypt and Saudi Arabia.
* Participate in and carry out more than 6 GIS projects in Saudi Arabia.
* Participate in 2 GIS and remote sensing workshops as a trainer.
* Reviewer of the surveying training program of Jeddah municipality, Saudi Arabia