

CURRICULUM VITAE

Dr. Mohamed Hassan

Associate Professor

Nile Research Institute

National Water Research Center

El-Qanatir, Egypt - Post Code: 13621

Telephone: +201003696964

Fax: +202-42187152

E-mail: mohammedhasaneg@yahoo.com

Education:

1998-2001 Ph.D, University of Innsbruck, Austria (Geomatics)

1992-1996 Shoubra Faculty of Engineering (Master of Science in Geomatics, November, 1996)

1986-1990 Shoubra Faculty of Engineering (Bachelor of Science in Civil Engineering, graduation in 1990 with Very Good grade)

Academic Positions:

Jul. 2016- Present **Associate Professor**, Nile Research Institute, National Water Research Center, Egypt

Oct. 2014-Jul. 2016 **Associate Professor**, Department of Civil Engineering, College of Engineering, Prince Sattam Bin Abdulaziz University (PSAU), Saudia Arabia

Jun. 2013- Oct. 2014 **Associate Professor**, Nile Research Institute, National Water Research Center, Egypt

Sep. 2011- May 2013 **Assistant Professor** at Nile Research Institute, National Water Research Center, Egypt

Sep. 2008- Aug 2011 **Lecturer**, Yanbu Industrial College, Geomatics Department, Yanbu Al Sinaiya, Saudia Arabia

Mar. 2007- Aug. 2008 **Assistant Professor**, Nile Research Institute, National Water Research Center, Egypt

Mar. 2005- Mar. 2007 **Assistant Professor**, Survey Research Institute, National Water Research Center, Egypt

Nov. 2001- Mar. 2005 **Assistant Professor**, Nile Research Institute, National Water Research Center, Egypt

Oct. 1998- Oct. 2001 **Ph.D Student**, Faculty of Architecture and Civil Engineering, University of Innsbruck, Austria

1993– Oct. 1998 **Researcher Assistant**, Nile Research Institute, National Water Research Center, Egypt

1992-1993 **Research Scholarship Student**, Shoubra Faculty of Engineering, Cairo, Egypt.

Teaching:

Surveying for Construction

Fluid Mechanics

Hydraulics

Geographic Information Systems

CAD Drafting and Mapping

Remote Sensing

Current Research Interests:

Computational Fluid Dynamics applications for the Nile

Scholarships:

1998 **Ph.D Scholarship** from the Austrian Academic Exchange Service-North South Dialogue Scholarship Programme.

1991 **Research Student Scholarship** from Faculty of Engineering Shoubra- Cairo, Egypt

Languages:

Arabic Native language

English Excellent

Publications:**a- Journals**

1. Hassan M, "Evaporation estimation for Lake Nasser based on remote sensing technology", Ain Shams Eng J (2013), <http://dx.doi.org/10.1016/j.asej.2013.01.004>
2. Hassan, M., "Monitoring Nasser Lake Daily Evaporation Using MODIS Products", Water Science Journal, (Issue 53, pp. 25-51, April 2013), ISSN: 1110-4929.
3. Hassan, M., "Cartographic Visualization of Spatial Databases", Faculty of Engineering, Azhar University, Civil Engineering Journal (Vol. 30, pp. 634-641, April 2008).
4. Hassan, M., "Implementaion of a MapServer Application for the River Nile", Civil Engineering Journal, Faculty of Engineering, AlAzhar University, January 2007, Cairo, Egypt.
5. Hassan, M., "Towards Building a Geospatial Data Infrastructure", Faculty of Engineering Mataria, Helwan University, Engineering Research Journal, Egypt (Vol. 107, pp. C66-C76, October 2006).
6. Hassan, M. and El-Sersawy, H. "The Potential of GIS Data for River Nile Hydraulic Modeling", Shoubra Faculty of Engineering, Engineering Research Journal, No. 6, pp. 89-95, (January 2006).
7. Hassan, M., "A GIS Application for Floodplain Mapping and Hydraulic Modeling", Water Science Journal. (Issue 37, pp. 1-5, April 2005)
8. Hassan, M., Fahmy, A., "REMOTE SENSING AS A TOOL FOR WATER QUALITY MODELING OF LAKE NASSER". Faculty of Engineering Shoubra, Engineering Research Journal, No.2, pp. 123-128, (January 2005).
9. Hassan, M. "Prediction of Total Suspended Solids for Lake Nasser from Remote Sensing Data Using Old Algorithms". Faculty of Engineering

Mataria, Helwan University, Engineering Researches Journal, Vol. 92 pp. 89-96 (April 2004).

b- Paper Presentations at Professional Conferences

- 1- Hassan, M., "Open Geospatial Consortium OGC Web Services", Proceedings Fifth International Internet Education Conference and Exhibition, September 2006, Cairo, Egypt
- 2- Hassan, M. and Fahmy, A., "LAKE NASSER WATER ENVIRONMENT MODELING USING REMOTE SENSING DATA". Digital Proceedings of the Second Regional Conference on Mechanisms for Arab Water Integrated Development (April 2004).
- 3- Hassan, M. and Lohmann, P., "Decision Support System for Lake Nasser based on Remote Sensing Data, GIS and Internet Technology" "Lake Nasser Development Authority International Workshop", Aswan, Egypt, September, 21-26 (2002).
- 4- Hassan, M. and Hanke, K., "A Campus Wide Information System Based On Web3d Technologies"., Proceedings of the Forth International Symposium "Turkish-German geodetic joint days", Vol I, pp. 119-125, Berlin, Germany (2001).
- 5- Hassan, M., Hanke, K., and Weinold, T., "Die Virtuelle Bau fakultät der Universität Innsbruck-VRML als 3D-Informationssystem"., Beiträge der 11 Internationalen Geodätischen Woche, pp. 181-185, Obergurgl, Austria (2001).

c- Dissertations

- 1- Hassan Mohamed, "Evaluation and Application of Virtual Reality Techniques for Mapping and Visualisation" (Doctorate Dissertation), Innsbruck University, Faculty of Architecture and Civil Engineering, Innsbruck, Austria (2001).
- 2- Mohamed Hassan, „Study of Systematic Error Effects on Analytical Strip Photo-Triangulation“, (Master Thesis), Surveying Department, Faculty of Engineering Shoubra (1996).

Personal:

- Profession : Water Resources Scientist
- Sex : Male
- Marital Status : Married
- Date of Birth : 16-6-1968
- Place of Birth : Cairo, Egypt
- Nationality : Egyptian