Curriculum Vitae

Dr. Eng. Ahmed Abdelhafiz

Surveying section,
Civil engineering department,
Assiut University, Egypt

Contact:
Office   :+2 088 2411892
Mobile :+2 16 0275751
E-mail :a.abdelhafiz@yahoo.com
Web   : http://sites.google.com/site/abdelhafizcv/

Personal

1974	Born in Assiut (Egypt)
1996	Bachelor in civil Engineering with grade "Very good with honor's"
1996- 2000	Demonstrator at Civil Eng. Department, Assiut University, Egypt
July 2000	Master of science in Surveying (Digital Photogrammery), title of the thesis: "Studying some Factors Affecting the Accuracy of digital Photogrammetric Applications"
2000 –2004	Assistant lecturer at civil engineering department, Assiut University , Egypt
2004- Feb.2009	PhD student at Institute of Geodesy and Photogrammetry IGP, TU Braunschweig, Germany.
Feb. 2009	Doctorate in Surveying from the Institute of Geodesy and Photogrammetry IGP, TU Braunschweig, Germany, title of thesis: "Integrating Digital Photogrammetry and Terrestrial Laser Scanning"
April. 2009 till now	Assistant professor, Civil Eng. Dept., Faculty of Engineering, Assuit university

Practical Experience

- Designed and programmed the [3DImage software]. The main tasks of the software are:
  - Full automatic texture mapping for mesh models
  - Coloring laser scanner point clouds using multiple images full automatically
  - Generating the 3DImage product.
- Designed and programmed the [Thermal3DImage software] which fuse thermal images with laser scanner data in addition to the ordinary visual images.
- Designed and programmed the [Photo Measurement Pro Software] used since years for teaching digital photogrammetry in undergraduate courses and students surveying project in Assuit University, Egypt.
- Texture more than forty models of mural wall paintings in the Domitilla catacomb which is the largest catacomb in Rome through cooperation with the academy of science and the technical university of Vienna, Austria.
- Participate in generating a complete textured model for Almaqah temple, Sirwah – Yemen in cooperation with Hafen city university, Hamburg, Germany.
- Generate a textured model for the famous Lion status, the symbol of Braunschweig in cooperation with technical university- Braunschweig, Germany.
- Have good experience in using different types of laser scanners, modeling and texture mapping.
- Award of Dr. Hussien Kamal (national award).

- Act as a member in the organizing committee of the International Conference of Economics and management of water in Arab World and Africa, EMWAWA, 2009 which has been held in Assiut University, Egypt.
- Act as a member in the organizing committee of the International Conference of Civil Engineering Science, ICCES1, 2003 which has been held in Assiut University, Egypt.

Publications:

- Abdelhafiz, A., 2010. High Automatic Level of Adding Photo Realism. International symposium for digital methods in archeological research. A study day on the Domitilla catacomb in Rome. Technical university Vienna, Austria, June 2010. "Invited"
- Abdelhafiz A., and Niemeier W., 2009. Integration of Digital Images and Laser scanning Point Clouds - Texture Mapping with 3DImage. 91. DVW-Seminar Terrestrial laser scanning TLS2009, ISBN 978-3-89639-734-8, Fulda , Germany , November 19-20.
- Abdelhafiz, A., Zimmermann, N., Eßer, G., and Mayer, I., 2009. Generating a Photo Realistic Virtual Model for the large Domitilla-Catacomb in Rome. 9th Conf. Optical 3-D Measurement Techniques, Vienna, Austria,1-3 July 2009.
- Abdelhafiz, A., 2009. Integrating Digital Photogrammetry and Terrestrial Laser Scanning . PhD thesis, Institute for Geodesy and Photogrammetry, Technical University Braunschweig, Germany. ISBN 3-926146-18-4. Online on Deutsche Geodätische Kommission (DGK), München 2009, ISBN 978-3-7696-5043-3. (C 631)
- Abdelhafiz, A., 2008. Automatic Occlusion Detection in Mesh Models. 79. DVW-Seminar Terrestrial laser scanning TLS2008, Fulda , Germany , November 06-07.
- Niemeier, W., Abdelhafiz, A., Schafer, M., 2008. Ansätze zur Kombination von terrestrischem Laserscanning, digitalen Fotos und Thermographie. 79. DVW-Seminar Terrestrial laser scanning TLS2008, Fulda , Germany , November 06-07.
- Abdelhafiz A., 18 Jan. 2008. Automation in Texture Mapping. Texture mapping and visualization workshop, Hafen city university, Hamburg, Germany. "Invited lecture"
- Abdelhafiz A., and W. Niemeier, 9-12 July 2007. Automatic Texturing For Laser Scanner Meshes. 8th Conf. Optical 3-D Measurement Techniques, Zurich , Switherland.
- Abdelhafiz A., and Niemeier W., 25-27 Sept. 2006. Developed Technique for Automatic Point Cloud Texturing from Multi Images Applied to a Complex Site. ISPRS commission V Symposium, Dresden, Germany.
- Abdelhafiz A., and Niemeier W., 29-31 March 2006. 3D Reconstruction of a real traffic cross section based on the combination between the laser scanner point cloud and the digital photos. 5th International Symposium Turkish-German Joint Geodetic Days, Berlin , Germany .
- Abdelhafiz A., B. Riedel and W. Niemeier, 3-5 October 2005. "3D Image" as a Result from the Combination Between the Laser Scanner Point Cloud and the Digital Photogrammetry. 7th Conf. Optical 3-D Measurement Techniques, Vienna.
- Abdelhafiz A., B. Riedel and W. Niemeier , 22-24 August 2005. Towards A 3D True Colored Space by the fusion of Laser Scanner Point Cloud and Digital Photos. International workshop 3DArch, Mestre-Venice , Italy .
- Abdelraheem, Farrag, and Abdelhafiz, 7-8 October 2003. Studying some factors affecting the digital photogrammetric applications. International Conference Of Civil Engineering Sciences, ICCES1, Assiut , Egypt.
- Abdelhafiz, A., 2000. Factors affecting the accuracy of digital photogrammetric applications. Master thesis, civil engineering department, Assiut university, Assiut, EGYPT.