

HANAA ALY SAYED ALY



Email: hanaa.ali1@science.au.edu.eg
hanaaamail@yahoo.com

Address Faculty of Science, Assiut
University, Assiut, Egypt

Tel. Mobile: +201093452565
Home: +20882063176
Work: +20882412167

EDUCATION

2007–2014 PhD, Faculty of Science, Assiut University, Assiut, Egypt

Dissertation title: **Outdoor Image Compression Based on Sky Replacement**

Supervisor:

Prof. Dr Salah El-din El Gendi

Prof. Dr Khaled Fathee Hussain

2000–2006 Master computer science, Faculty of Science, Assiut University

Thesis title: **Translation of Arabic Text to Sign Language by Computer Animation**

Supervisor:

Prof. Dr Salah El-din El Gendi

Prof. Dr Yousef B. Mahdy

1994–1999 Bachelor of computer science, Faculty of Science, Assiut University

TEACHING EXPERIENCE

The following undergraduate and graduate level courses were taught with full responsibility, including determining and grading assignments, quizzes, exams, holding office hours, and assigning course grades:

Graduate Courses

- Advanced Computer Vision
- Image processing
- Machine Learning

Undergraduate Courses

- Software Engineering
- Web design and development
- Database
- Distributed Computation

- Computer Graphics
- Network
- Data Communication
- Web Design
- Data Base
- Programming language(C++, Matlab and Python)

RESEARCH INTEREST

- Digital Image And Video Processing
- Image Feature Extraction
- Pattern Recognition and Computer Vision
- Distributed Computation
- Machine Learning
- Object Detection and Clustering

CURRENT RESEARCHS

- Object Detection and Annotation in Outdoor Images
- Deep Learning Approach for Detecting Digital Elevation Model (DEM) Uncertainty to Enhance Assessment of Water Resources
- Efficient Deep Learning Approaches for Medical Imaging

Research Supervision

- PhD Students
 1. Sara Tarik Kamal
 2. Fatma Abd-Alhaleem
- Master Students
 3. Essam khalifa
 4. Asmaa Abass
 5. Anoud AbdElaziz

UNDERGRADUATE PROJECTS:

- Graphical Tour in Mathematics Department Faculty of Science, Assiut University, Assiut, Egypt.
- Android Application for Diagnosing Skin Diseases.
- Graphical Simulation for Physics Lab Experiments.
- Interactive Campus Map.
- Android Application for Learning Arabic Language

EXPERIENCE

- Member of Examination Committee
- Supervisor of the students computer lab

PUBLICATIONS

- [1] K. Hussain, H. Sayed, "Enhancement of Sky and Cloud Type Classification", Proceedings of the 1st IEEE/IIAE International Conference on Intelligent Systems and Image Processing 2013 , pp. 179-185, 2013. (**Achieved Best Presentation Award**)
- [2] Khaled Hussain, and Hanaa Sayed. "Sky Detection Using K-HSV Descriptor." Journal of the Institute of Industrial Applications Engineers Vol. 2, No. 1, pp 1-5, Jan. 2014.
- [3] Khaled F. Hussain, and Hanaa A. Sayed. "Annotated Outdoor Image Compression Based on Sky Replacement" in the Proceedings of The 27th International Conference on Computer Theory and Applications (ICCTA 2017), pp 32-37.
- [4] Hanaa A. Sayed, Moetaz A. Barakat, Mohamed A. Mohamed, Taha H. Awad and Ayman S. Fahmy” ξ Elmni- An Android Application For Teaching Arabic Language And Arabic Literacy”, International Journal of Computer Science and Mobile Applications, Vol.7 Issue. 3, 2019, pp. 1-7

REFERENCES

- Prof. Hassan M. El-Hawary, Faculty of science, Assiut University, elhawary@aun.edu.eg
- Prof. Khalid M. Hosny, Professor of Computer Science and Information Technology, Zagazig University, Egypt K_hosny@yahoo.com
- Prof. Khaled F. Hussain Associate Professor Department of Multimedia, Faculty of Computers and Information, Assiut University, khussain@aun.edu.eg