

Curriculum Vita

Asem M. Ali

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Name: Asem Mohamed Ahmed Ali

Current Employment:

Research Assistant, CVIP Lab., ECE Dept., University of Louisville, KY, USA. January 2004-Present.

Current Registered Degree:

Ph.D., Electrical and Computer Engineering. Expected Graduation Date, May 2008.

GPA: 3.92.

Degrees, Granted School, and Date:

- Master of Science, "INTELLIGENT TRACKING CONTROL OF A D-C MOTOR," Electrical and Computer Engineering, Assiut University, Egypt, August 2002.
- B.Sc., Electrical and Computer Engineering, Assiut University, Egypt. Distinction with the Honor, first on class, May 1999.

Research Interests:

- Image Processing
- Statistical Modeling
- Pattern Recognition
- Computer Vision
- Robotics
- Learning Systems

Work Experience:

- August 2004 – Present
Research Assistant, CVIP Lab, ECE Dept., Speed School for Engineering, University of Louisville, Louisville, KY, USA.
- January 2000 – January 2004
Teaching Assistant and Faculty Member, ECE Dept., School of Engineering, Assiut University, Assiut, Egypt.

Teaching Experiences:

- Teaching ECE 619/645 class (Computer Vision & Lab), ECE Dept., University of Louisville, KY, Spring 2005, Spring 2007.
- Teaching ECE 618/635 class (Digital Image Processing & Lab), ECE Dept., University of Louisville, KY, Fall 2004.

- Teaching ECE 530 class (Introduction to Stochastic Processes and Estimation Theory), ECE Dept., University of Louisville, KY, Summer 2005.
- Teaching ECE 520 class (Digital Signal Processing), ECE Dept., University of Louisville, KY, Spring 2005.
- Teaching several classes, ECE department, Assiut University, Egypt (2000-2004):
Electrical Circuits, Microprocessors, Control Systems, Digital Control Engineering, Computer Languages, Data Structures, Fundamentals of Computer Engineering, Digital Circuits Design, Fundamentals of Signal Processing.
- Advising Several Graduation Projects for B.Sc. Students, ECE department, Assiut University, Egypt (2000-2004)

Honors and Awards:

- IEEE Student Member since 2002.

Service Activities:

- The president of the Egyptian Student Association in North America (ESANA), Louisville's Chapter (ESA), May 2006 - present.

Publications:

- **Asem M. Ali**, Ayman S. El-Baz, and Aly A. Farag. "Graph Cuts Framework for Kidney Segmentation with Prior Shape Constraints," Proc. of International Conference on Medical Image Computing and Computer-Assisted Intervention, MICCAI'07, Brisbane, Australia, October 2007, (To Appear)
- **Asem M. Ali**, Ayman S. El-Baz, and Aly A. Farag. "A novel framework for accurate lung segmentation using graph cuts," Proce. of International Symposium on Biomedical Imaging, ISBI'07, Arlington, Virginia, April 2007, pp. 908–911.
- Ayman El-Baz, Aly A. Farag, **Asem M. Ali**, Georgy L. Gimel'farb, Manuel Casanova, "A Framework for Unsupervised Segmentation of Multi-modal Medical Images," Proc. of the Second International Workshop of Computer Vision Approaches to Medical Image Analysis(CVAMIA'06), Graz, Austria, May 2006, pp. 120-131.
- Ayman El-Baz, **Asem M. Ali**, A. A. Farag, G. L. Gimel'farb, "A Novel Approach for Image Alignment Using a Markov-Gibbs Appearance Model," Proc. of International Conference on Medical Image Computing and Computer-Assisted Intervention, MICCAI'06, Copenhagen, Denmark, October 2006, pp. 734-741.

References: are available upon request.