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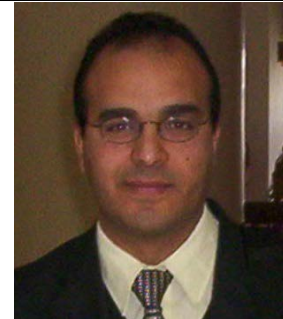
# Curriculum Vitae

## Personal Data

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Name : El-Etriby, sherif said  
Date of birth : 10. 08. 1970  
Place of birth : Tanta, Egypt  
Nationality : Egyptian  
Sex : Male  
Marital status : Married, three children  
Address : Menoufia Uni., Faculty of Computers and Information, Shebin El-kom  
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Sheriff.ali@ci.menofia.edu.eg  
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## Education

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2003-2008 : Works towards Ph.D. degree at the Institute of Electronics, Signal Processing and Communications (IESK), Otto-von-Guericke-University Magdeburg, Germany.  
1997-1999 : M.Sc., in *Mathematics and computer science*, Faculty of science, Menoufia University, Egypt.  
Title of M.Sc. thesis "*Memory\Bus arbitration in multiple-bus multiprocessor systems*"  
1995-1996 : Postgraduate courses  
1989-1993 : B.Sc., in *Pure mathematics and computer science*, faculty of science, Egypt (very good)  
1986-1989 : Higher secondary certificate, Tanta Egypt

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## Work experience

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2008 - Now	Lecturer in Dept. of Computer Science, Faculty of Computers and Information, Menoufia University, Egypt.
2003 - 2008	Research Assistant for a 3-D Measurement research group, Chair of Technical Computer Science, Otto-von-Guericke University, Magdeburg, Germany.
2002-2003	: Assistant lecturer in Dept. of Computer Science, Faculty of Computers and Information, Menoufia University, Egypt.
1999-2002	: Assistant lecturer in Dept. of Mathematics and Computer Science, Faculty of Science, Menoufia a University, Egypt.
1994-1999	: Demonstrator in Dept. of Mathematics and Computer Science, Faculty of Science, Menoufia University, Egypt.

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## Computer skills

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Java; C++; visual C; Matlab; Pascal; Fortran  
Latex; CorelDraw; Microsoft office  
Familiar with Linux; Windows XP/NT/2000

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## Languages

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Arabic (Mother tongue), English and German (Moderate level)

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## Publications

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1. F. A. Torkey, A.H. Ali, A. El-sherbiny, Sherif El-Etriby, "Performance evaluation and priority analysis of partially connected multiple-bus architectures", Electronic Engineering Bulletin, Faculty of Electronic Engineering, Menoufia Uni., vol. 8, no. 15, pp. 1-14, Jan. 1998.

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2. Sherif El-Etriby, Ayoub Al-Hamadi, Bernd Michaelis, "*Improvement of 3-D Reconstruction by Deformal Stereo Matching using a Set of Linear Spatial Filters*", International conference of Graphics, Vision, Image processing- GVIP2005, pp. 445-450, 2005.
  3. Sherif El-Etriby, Ayoub Al-Hamadi, Bernd Michaelis, "*Improvement 3-D Reconstruction Accuracy Considering Distortion in Stereovision using a Set of Linear Spatial Filters*", International Conference on Computational Intelligence for Modelling Control and Automation - CIMCA'2005, Vol. 2, pp. 654-659, November 2005.
  4. Sherif El-Etriby, Ayoub Al-Hamadi, Bernd Michaelis, "*Phase-based disparity estimation with implicit Foreshortening Correction*", 4<sup>th</sup> International Multiconference on Computer Science and Information Technology- CSIT2006, Vol. 3, pp. 510-520, 2006.
  5. Sherif El-Etriby, Ayoub Al-Hamadi, Bernd Michaelis, "*Improvement of 3-D Reconstruction by Deformal Stereo Matching using a Set of Linear Spatial Filters*", International Journal on Graphics, Vision and Image Processing, appear in 2006, Selected from GVIP 05, ISSN [1687-398X].
  6. Sherif El-Etriby, Ayoub Al-Hamadi, Bernd Michaelis, "*Dense Depth Map Reconstruction by Phase Difference-based Algorithm Under Influence of Perspective Distortion*", Special Issue of the International Journal "Machine Graphics and Vision", ICCVG 2006, vol. 15, no. ¾, pp. 349-361, ISSN: [1230-0535].
  7. Sherif El-Etriby, Ayoub Al-Hamadi, Bernd Michaelis, "*Dense Stereo Correspondence with Slanted Surface using Phase-based Algorithm*", IEEE International Symposium on Industrial Electronics, Vigo, Spain June 4-7, 2007, ISIE-2007, pp. 1807-1813.
  8. Mahmoud Elmezain, Ayoub Al-Hamadi, Sherif El-Etriby, Bernd Michaelis, "*Gesture Recognition for Alphabets from Hand Motion Trajectory Using Hidden Markov Models*" The 7th IEEE International Symposium on Signal Processing and Information Technology, ISSPIT 2007 December 15-18, 2007.
  9. Sherif El-Etriby, Ayoub Al-Hamadi, Bernd Michaelis, "*Compositional character of 3-D surface reconstruction using phase-difference technique*", Journal of Machine Vision and Applications, ISSN: 0932-8092 (Print version), ISSN: 1432-1769 (electronic version), Springer.

10. Walid S. Abd El-hamid, Sherif S. El-etriby, and Mohiy M. Hadhoud, "*Regression Test Selection Technique based on Dynamic Behaviour*", The 2<sup>nd</sup> international conference on computer and automation engineering ICCAE2010. 26-28.2.2010 Singapore, (Accept).
  11. Sherif S. El-etriby, Khalid M. Amin, "*Detection and Correction of Deformed Historical Arabic Manuscripts*", International Conference on Computer & Communication Engineering, ICCCE 2010, (Submitted)
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The following are the main research areas in our group.

Knowledge Acquisition: Knowledge Acquisition is concerned with the development of knowledge bases based on the expertise of a human expert. This requires expressing knowledge in formalism suitable for automatic interpretation. Within this field, research at UNSW focuses on incremental knowledge acquisition techniques, which allow a human expert to provide explanations of their decisions that are automatically integrated into sophisticated knowledge bases.

Knowledge Representation and Reasoning: Knowledge representation and reasoning deals with the formal aspects of representing and modeling problem domains and then reasoning with these representations. A key focus is the tradeoff between the expressiveness of the representation and the complexity of the associated reasoning algorithms.

Machine Learning: Machine learning is the computational approach to learning from data. Originating in artificial intelligence with the study of robot learning and models of natural learning, it has led to spin-offs like neural and evolutionary computation, data mining, learning theory and program synthesis. The techniques have been applied in just about every current data-intensive area of activity.

Computer Vision: Computer vision is to make useful decisions about real physical objects and scenes based on

sensed images. It uses statistical methods to extract data using models based on geometry, physics and learning theory. Vision applications range from mobile robotics, industrial inspection and satellite image understanding, to human computer interaction, image retrieval from digital libraries, medical image analysis, proteomic image analysis and realistic rendering of synthetic scenes in computer graphics.

Cloud Computing: Cloud computing is Internet- ("cloud-") based development and use of computer technology ("computing"). In concept, it is a paradigm shift whereby details are abstracted from the users who no longer need knowledge of, expertise in, or control over the technology infrastructure "in the cloud" that supports them. Cloud computing describes a new supplement, consumption and delivery model for IT services based on Internet, and it typically involves the provision of dynamically scalable and often virtualized resources as a service over the Internet.

Software Testing: Software testing is an empirical investigation conducted to provide stakeholders with information about the quality of the product or service under test. Software Testing also provides an objective, independent view of the software to allow the business to appreciate and understand the risks at implementation of the software. Test techniques include, but are not limited to, the process of executing a program or application with the intent of finding software bugs.