

Curriculum Vitae

Associate Professor

Yasser Mohamed Abd El-Latif

Ph.D. Computer Science

Faculty of Science,

Ain Shams University.

Cairo - Egypt

Jan. 2019

Mob: (0100) 1719609.

E-Mail: Y.Abdellatif@sci.asu.edu.eg

Curriculum Vitae

Personal Information

Name: Yasser Mohamed Abd El-Latif El-Sayed.
Address: Villa 87 – Nargiss 5, New Cairo, Egypt.
Tel: +(202) 26056510,
+(20100) 1719609.
Date of Birth: 15 of April 1971.
Place of Birth: Kuwait.
Nationality: Egyptian.
Marital status: Married (I have four children).
Military status: Completed.
E-Mail: Y.Abdellatif@sci.asu.edu.eg



Educational Information

Undergraduate

Degree: B.Sc. Pure Mathematics and Computer Science,
Faculty of Science, Ain Shams University, May 1992.
Grade: Excellent with Honor Degree.
Position: First place in the 1992 graduation class.

Graduation Project Grade : Excellent.

Graduate

Master Preliminary Courses: Faculty of Science, Ain Shams University, Cairo, 1994.

Degree: M.Sc. Computer Science, Faculty of Science,
Ain Shams University, Cairo, 1999.

Title: "On Some Problems in Computational Geometry".

Degree: Ph.D. Computer Science, Faculty of Science,
Ain Shams University, Cairo, 2005.

Title: "Multiresolution Representation and Analysis of Surfaces"

Current Job

Associate Professor

- of Computer Science, Arab Academy of Science, Technology and Maritime Transport (AASTMT), (Sep. 2018 – present) .

Associate Professor

- of Computer Science, Division of Computer Science, Math. Dept., Faculty of Science, Ain Shams University, (Dec. 1993 – Sep. 2018).

Expert

- Arabic Language Academic (Nov. 2012 – Oct. 2018).

Academic Courses taught

Computer Science

- Design and Analysis of Algorithms
- Data Structure
- Object Oriented Programming
- Syntax and Semantics
- Compiler
- Automata
- Theory of Computation
- Digital Design
- Computational Geometry
- Computer Graphics
- C / C++
- PHP
- Visual Basic

Mathematics

- Discrete Math
- Calculus I
- Calculus II
- Numerical Analysis
- Basic Mathematics

Academic Courses (Private Universities)

MIU University

- **Misr International University (MIU) 2006—2018**
 - **Math. 100, 101 (Faculty of Business & Admin.)**
 - **Math. I (Faculty of Computer Science)**
 - **Math. II (Faculty of Computer Science)**
 - **Discrete Math. (Faculty of Computer Science)**
 - **Numerical Analysis (Faculty of Engineering).**
 - **Basic Mathematics (Faculty of Pharmacy)**

NU University

- **Nile University (NU) 2017-2018**
 - **Math211 Discrete Math. (Information Technology and Computer Science school)**

AOU University

- **Arab Open University (AOU) 2017-2018**
 - **M253 Team Work in Distributed Environment**
 - **GE104 Data Computing and Information**
 - **MT131 Discrete Math. (Faculty of Computer Studies)**

BUE University

- **The British University in Egypt (BUE) 2010---2013**
 - **MatLab 7 (Faculty of Engineering)**

Future University

- **Future University in Egypt (FUE) 2007---2009**
 - **Math. & Statistic (Faculty of Engineering & Technology)**

Special Skills

1. Reviewer:

- **Reviewer in American Mathematical Society (AMS)**
Reviewer number: (057789) Cairo
- **Reviewer in Arabian Journal for Science and Engineering (AJSE).**

2. Programming language:

- **MATLAB 7.0, MAPLE**
- **Web applications using Java, Java APIs .**
- **Visual Basic 6 (DAO & ADO)**
- **Microsoft SQL Server 2008 (Administrating, Query, Programming)**
- **ORACLE 10g (SQL, PL/SQL, Forms, Reports)**

3. Language skills English Arabic

- **Good spoken, written and understood.**
- **Mother tongue, bilingual in English and Arabic.**

Career progression

No.	Career	From	To
1	Demonstrator	Dec. 1992	May 2000
2	Assistant Lecturer	May 2000	Dec. 2005
3	Lecturer	Dec. 2005	Dec. 2014
4	Associate Professor	Dec. 2014	Till now

Supervisors Thesis

Degree	Student Name	Supervisors	Thesis Title	Register Date	Grant Date
Master	Enas Hamdy Saad Ghallab	Magdi G. Shehata, Emad I. Khater, Yasser M. Abd El-Latif	Applications of Bioinformatics and Genomics in Studying Mosquito Biology	8/10/2007	15/06/2010
Master	Mona Gabber Shallan	Magdi G. Shehata, Emad I. Khater, Yasser M. Abd El-Latif	Bioinformatics and Computational Biological Approaches to Identify Insect MicroRNAs	14/04/2008	13/12/2010
Master	Dina Reda Mohamed Khattab	Mohamed Fahmy Tolba, Mohamed Saied Abdel Wahab, Yasser M. Abd El-Latif	Geometry compression of polygon mesh models	22/03/2004	20/07/2008
Master	Fatma Saied Abousaleh Abdo	Mohamed Hamed Elzahar, Sameh Samy Daoud, Yasser M. Abd El-Latif	On Using Computational Geometry Algorithms in Computer Graphics	10/01/2005	11/01/2010
Ph.D.	Hanaa Abd El-Hady Essa	Aid Abdel Monsief, Sohier M. Khamis, Salwa M. Ali, Yasser M. Abd El-Latif	Design of Randomize Algorithms for Some of Problems in Computational Geometry	12/07/2010	23/1/2016
Ph.D.	Shimaa Ibrahim Hussein	Yasser M. Abd El-Latif, Sameh Samy Daoud, Naglaa M. Reda	Parallel Algorithms for plant leaf recognition	11/4/2016	
Ph.D.	Mahmoud Mohamed Abdelhamied	Yasser M. Abd El-Latif, Ahmed M. H. Abdel-Fattah	Recognizing Sketched Objects by Learning their Geometrical Features	20/2/2017	

Work Experience

From Jan. 1994 To Aug. 1994: (part-time)

Company Name: Chickens Carnage's Cairo Company, Koki Comp. Egypt.
Job Title: Programmer.
Project: Stock Controls and General Accounting.
Language: Using C language.

From Apr. 1999 To May 2001: (part-time)

Company Name: Regional Information Technology & Software Engineering Center – RITSEC, Egypt.
Job Title: Programmer.
Project: Control the database of the students in a college for Undergraduate and graduate studies.
Language: Using Visual Basic 6 with Microsoft Access database.

From Jan. 2001 To Dec 2001 : (part-time)

Company Name: The Egyptian Company for Transport and Assembling Gas Cylinders – BOTAGAZKO COMPANY, Egypt.
Job Title: System Programming Consultant.
Project: Stock Controls and General Accounting.
Language: Using Visual Basic 6 with Microsoft Access database.

From Jan. 2000 To Dec 2003 : (part-time)

Instructor

- *IBM™, INFORM, 31 Ahmed Tayseer St., Heliopolice.
- *RAyA Academy, 10 El Gomhoreya Sq., Dokki.
- *IBM™, NILESOFIT, 31 Trablus St., Nasr City.

Courses

- C \ C++
- SQL (Administrating, Query, Programming)
- Visual Basic

Work Experience

From Oct. 2003 To Dec 2003 : (part-time)

Company Name: Ministry of Health and Population
General Dedicator Primary Healthy Care, Cairo, Egypt.

Job Title: System Developer and Programming Consultant.

Project: The Training Program.

Language: Using Visual Basic 6 (ADO) with Microsoft Access database and Microsoft SQL Server 2000.

From Jan. 2004 To Sep. 2004 (part-time)

Company Name: Ministry of Health and Population
General Dedicator Primary Healthy Care, Cairo, Egypt.

Job Title: System Developer and Programming Consultant.

Project: The Family Medicine System.

Language: Using Visual Basic 6 (ADO) with Microsoft Access database and Microsoft SQL Server 2000.

From Oct. 2004 To Dec. 2004 (part-time)

Company Name: NileSoft International Training Center
IBM partner, 31 Trablus st., Nasr City, Cairo, Egypt.

Job Title: Web Developer and Project Supervisor.

Project: Six projects for IBM Graduated students in EGP phase III.

Language: Using HTML, ASP with Microsoft Access database.

From Aug. 2005 To Dec. 2005 (Full-time)

Students and control affair systems for Faculty of Science.
Using Visual Basic 6 (ADO) with Microsoft SQL Server 2000.

Work Experience

From Jan. 2007 To Mar. 2007 (Full-time)

Company Name: Higher Educational Enhancement Project Funds (HEEPF)
96 Ahmed Oraby St., Mohandseen, (12411) Giza, Egypt

Job Title: System Developer and Programming Consultant.

Project: HEEPF System Control and Monitoring.

Language: Using Visual Basic 6 (ADO) with Microsoft SQL Server 2000.

From Mar. 2006 To Mar. 2007 (Full-time)

Company Information Network. Ain Shams University, Egypt

Job Title: Information Technology Consultant.

From Nov. 2006 To Mar. 2014 (Full-time)

Company Ain Shams University, Egypt

Job Title: Project Manager.

Project Management Information Systems Project (MIS)

From Aug. 2009 To Apr. 2015 (Part-time)

Company Ministry of Higher Education Development Unit, Egypt

Job Title Management Information System (MIS) – Infrastructure Network (IS) Consultant.

Project Enhancement Technology Colleges Project (ETCP),

From Sep. 2014 To Mar. 2017 (Full-time)

Company Information Technology Unit (ITU)
Faculty of Science, Ain Shams University, Egypt

Job Title IT Manager

- 1 Mona G Shaalan, Doaa E Soliman, Mohamed A Abdou, Emad I Khater, Ahmed Othman, [Yasser Abd El-Latif](#) and Magdi G Shehata, "*Molecular characterization of vitellogenesis in anautogenous Culex pipiens pipiens L. mosquitoes*", International Journal of Mosquito Research; 4(2): pp 05-11, 2017.
- 2 Hanaa A. E. Essa, [Yasser M. Abd El-Latif](#), Salwa M. Ali, Soheir M. Khamis, "*A New Approximation Algorithm for k-Set Cover Problem*", Arabian Journal for Science and Engineering (AJSE), Vol. 41, Issue 3, pp 935–940, March 2016.
- 3 Emad I. Khater 1, Mona G. Mahmoud, Enas H. Ghallab, Magdi G. Shehata, [Yasser M. Abd El-Latif](#), "*Development of a Local Entomological Database for Education and Research using Simulation (Virtual) Methods*", International Journal of Advanced Computer Science and Applications (IJACSA), Vol. 5, No. 3, 2014.
- 4 [Yasser M. Abd El-Latif](#), "*Surfaces Representation with Sharp Features Using Sqrt(3) and Loop Subdivision Schemes*", International Journal of Computer Graphics & Animation (IJCGA), Vol. 4, No 1, January 2014.
- 5 [Yasser M. Abd El-Latif](#), Salwa M .Ali, Hanaa A. E. Essa, Soheir M. Khamis, "*A Randomized Fully Polynomial-time Approximation Scheme for Weighted Perfect Matching in the Plane*", International Journal of Advanced Computer Science and Applications (IJACSA), Vol. 3, No. 11, 2012.
- 6 [Yasser M. Abd El-Latif](#), "*A New Model for the Structure of Leaves*", Journal of SoftWare, Vol. 6, NO. 4, April 2011.
- 7 [Y. M. Abd El-Latif](#), D. R. Khattab, M. S. Abdel Wahab, M. F. Tolba, "*Efficient Connectivity Encoding of Triangular/Quadrilateral Meshes with Boundary and Holes*", Ain Shams Journal of Electrical Engineering (ASJEE) Vol. 2, Dec. 2010.
- 8 [Yasser M. Abd El-Latif](#), A. A. Samaan, "*Steady Free Convection Flow with Variable Viscosity and Thermal Diffusivity over a Stretching Sheet*", Proceedings of ICFD 10: Tenth International Congress of Fluid Dynamics December 16-19, 2010, Stella Di Mare Sea Club Hotel, Ain Soukhna, Red Sea, Egypt.
- 9 [Yasser M. Abd El-Latif](#), "*A New Conception in Constructive Branching Structures and Leaves using L-system*", Journal of Computing Science and Engineering, Vol. 4, No. 3, PP 240-252, Sep. 2010.

- 10 [Yasser M. Abd El-Latif](#), Fatma S. Abousaleh, and Daoud S. S., "*A New Vision of Fractal Geometry with Triangulation Algorithm*", Proceedings of World Academy of Science, Engineering and Technology, Volume 34 October, 2008.

- 11 D. R. Khattab, [Y. M. Abd El-Latif](#), M. S. Abdel Wahab, M. F. Tolba, "*Efficient Face-Based Non-Split Connectivity Compression For Quad And Triangle-Quad Meshes*", 3rd International Conference on Computer Graphics Theory and Applications, GRAPP 22-25 January, Funchal, Madeira – Portugal, 2008.

- 12 M. Tolba, T. Nazmy, [Y. Abd El-Latif](#), H. Zagloul, M. Marey, "*Evaluation and Comparison of the World Universities Web-Based Ranking Methodologies*", The 11th World Multi-Conference on Systemics, Cybernetics and Informatics, WMSCI 2007.

- 13 D. R. Khattab, [Y. M. Abd El-Latif](#), M. S. Abdel Wahab, M. F. Tolba, "*An Enhanced Edgebreaker Compression Algorithm For The Connectivity Of Triangular Meshes*", 2nd International Conference on Computer Graphics Theory and Applications, GRAPP 8-11 Mar. 2007.

- 14 M. F. Tolba, T. M. Nazmy, [Y. M. Abd El-Latif](#), E. Abdelwahab, "*Towards Establishing an ETD for Egyptian Universities*", The 2nd International Conference on Universal Digital Library, pp 184-192, 2nd ICUDL 17-19 Nov., 2006.

- 15 Fayed F. M. Ghaleb, [Yasser M. Abd El-Latif](#) and Hussein K. H., "*Towards Fast and Smooth Subdivision Surface Reconstruction*", International Journal of Computers and Applications, Vol. 28 Issue 2, 2006.

- 16 Mohamed H. El-Zahar, Fayed F. M. Ghaleb, [Yasser M. Abd El-Latif](#) and Hussein K. H., "*An Adaptive Subdivision Scheme with Doo-Sabin Subdivision Surfaces*", Egyptian Mathematic Society, Vol. 14(1), pp 109-120, March 2006.

- 17 Fayed F. M. Ghaleb, and [Yasser M. Abd El-Latif](#), "*Subdivision Surface Algorithm Based on a Novel Hexagonal Vertex-To-Vertex Subdivision Scheme*", The 40th Annual Conference On Statistics, Computer Science and Operation Research, Dec. 3-6 2005.

Publication

- 18 M.H. El-Zahar, F.M. Ghaleb, H.K. Hussein, and [Y.M. Abd El-Latif](#), "*A Novel Optimized Subdivision Algorithm for Modeling and Animation*", ACTA press Modelling and Simulation (MS 2004) March 1–3, 2004 Marina del Rey, CA, USA.
- 19 Mohamed H. El-Zahar, Fayed F. M. Ghaleb, [Yasser M. Abd El-Latif](#) and Hussein K. H., "*A Novel Optimized Subdivision Algorithm for Modeling and Animation*", 15th IASTED International Conference on Modeling And Simulation – MS'2004, Mar. 1-3, 2004, Marina Del-Ray, CA, USA, 2004.
- 20 Mohamed H. El-Zahar and [Yasser M. Abd El-Latif](#), "*Shortest Path on a Non-Convex Polyhedron*", Egyptian Mathematical Society, Vol. 10 (1), 2002.

References and copies of certificates are available on request.

Yasser Mohamed Abd El-latif

Associate Professor Computer Science

Faculty of Science

Ain Shams University.