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# Curriculum Vitae

**Name** **Gamal Mahrous Ali ATTIYA**  
**Birth Date** 23-05-1970 (El-Gharbiya - EGYPT)  
**Nationality** Egyptian  
**Marital Status** Married + 3 Children  
**Address** Faculty of Electronic Engineering, Menoufia University, Egypt.  
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*Mob.*: (002) 01002907031      *URL:* <http://gamal.attiya.free.fr>



## Academic Information:

- 2004**    **Ph.D.** – Ph.D. degree in computer science and engineering, from university of Marne-La-Vallée, Paris, France.  
Title: «Assignment of Tasks on Parallel and Distributed Computer Systems».
- 2000-2004**    **PhD Study** – Dept. of Informatique, Univ. of Marne-La-Vallée, Paris, France.
- 1999**    **M.Sc.** – M.Sc. degree in computer science and engineering. Dept. of Computer Science and Engineering, Faculty of Electronic Engineering, Menoufia University, EGYPT.  
Title: «Application of Multimedia in High Speed Computer Networks».
- 1995**    **Prep. M.Sc.** (One year theoretical study in computer science and engineering).
- 1993**    **B.Sc.** B.Sc degree in Electronic Engineering (May 1993) specialization Computer Science and Engineering. General grade Excellent with Honor Degree (87.75%). Dept. of Computer Science and Engineering, Faculty of Electronic Engineering, Menoufia University, EGYPT.
- 1993**    **Graduation Project (Compiler Design)**, Dept. of Computer Science and Engineering, Faculty of Electronic Engineering, Menoufia University, EGYPT.

## Experiences:

### Academic Experiences

- 22/10/2019-date**    **Head of Computer Science and Engineering Dept.**, Faculty of Electronic Engineering, Menoufia University, EGYPT.
- 24/9/2019-date**    **Professor**, Dept. of Computer Science and Engineering, Faculty of Electronic Engineering, Menoufia University, EGYPT.
- 06/9/2017-15/09/2019**    **Vice Dean of Student Affairs**, High Institute of Electronic Engineering, Ministry of Higher Education, EGYPT.
- 25/8/2014-23/9/2019**    **Associate Professor**, Dept. of Computer Science and Engineering, Faculty of Electronic Engineering, Menoufia University, EGYPT.

- 27/03/2005-24/8/2014**      **Lecturer**, Dept. of Computer Science and Engineering, Faculty of Electronic Engineering, Menoufia University, EGYPT.
- 1999-26/03/2005**      **Assistant Lecturer**, Dept. of Computer Science and Engineering, Faculty of Electronic Engineering, Menoufia University, EGYPT.
- 1994-1998**      **Demonstrator**, Dept. of Computer Science and Engineering, Faculty of Electronic Engineering, Menoufia University, EGYPT.

### *Scientific Activities:*

- 10/2019-date**      • Member of the Scientific Advisory Committee of the [Menoufia Journal of Electronic Engineering Research \(MJEER\)](#).
- 2019**      • Member in the local organizing committee of [the 1<sup>st</sup> ICEEM](#), 07-08 Dec. 2019, Faculty of Electronic Engineering, Menoufia University.
- 2010-2017**      • Director of the Project: [Establishing and Implementing Electronic Portal for the Egyptian Universities \(Menoufia University: II-10-MIS-PRT, III-10-MIS-PRT, 13-10-PRT-PRT, 14-10-PRT-PRT, and 15-10-PRT-PRT\)](#),
- 2014-2017**      • Director of the Information Technology Unit (Faculty of Electronic Engineering),
- 2012 - 2020**      • Director of the Scientific Instruments and Computers Maintenance Center (Special unit at the Menoufia University).  
• Secretary Editor of the [Journal of Environmental and Energy Research – Menoufia University \(JEER-MU\)](#).
- 2010-2017**      • Director of the Scientific Computing Center (Special unit at the Faculty of Electronic Engineering),
- 2010 - 2011**      • Director of the Project: [Establishing and Implementing Electronic Portal for the Egyptian Universities \(Menoufia University Sadat Branch II-20-MIS-PRT\)](#).
- 2010**      • Member in the local organizing committee of [the 27<sup>th</sup> NRSC 2010](#). 16-18 Mars 2010, Faculty of Electronic Eng., [Menoufia University](#), Egypt.
- 2008-2017**      • Executive Editor of the [Menoufia Journal of Electronic Engineering Research \(MJEER\)](#).
- 2008-2009**      • Member of the Quality Assurance Unit (QAU) at the Faculty of Electronic Engineering.  
• Web Master of the site of the Faculty of Electronic Engineering and the site of the QAU.  
• Member of the Scientific Computing Center (Special unit at the Faculty of Electronic Engineering).
- 2008**      • Member in the local organizing committee of [the 25<sup>th</sup> NRSC 2008](#). 18-20 Mars 2008, Faculty of Eng., Tanta University, TANTA, Egypt.
- 2006 - 2007**      • Member of the scientific advisory committee of the [Menoufia Journal of Electronic Engineering Research \(MJEER\)](#), **2006-2007**  
• Member of the Scientific Computing Center (Special unit at the Faculty of Electronic Engineering).
- 2006**      • Member of the organizing committee of [the 23<sup>rd</sup> NRSC 2006](#). 14-16 Mars 2006, Faculty of Electronic Eng., Menoufiya University, Egypt.  
• Preparing the program, the proceedings, and the CD of [the 23<sup>rd</sup> NRSC 2006](#).  
• Member of the Local committee of [the 23<sup>rd</sup> NRSC 2006](#). 14-16 Mars 2006, Faculty of Electronic Eng., Menoufiya University, Egypt.

- 2004
- Editor of the proceedings of the 5<sup>th</sup> international EuroSim Conference in system modeling and simulation, 06-10 September 2004, ESIEE Paris, France.
  - Web designer of the 5<sup>th</sup> international EuroSim Conference in system modeling and simulation, 06-10 September 2004, ESIEE Paris, France.
  - Member of the organizing committee of the 5<sup>th</sup> international EuroSim Conference in system modeling and simulation, 06-10 September 2004, ESIEE Paris, France.

### ***Research Activities:***

**Google Scholar:** <https://scholar.google.ca/citations?user=pP6bk3UAAAAJ&hl=en>

**Research gate:** [https://www.researchgate.net/profile/Gamal\\_Attiya](https://www.researchgate.net/profile/Gamal_Attiya)

**ORCID:** <https://orcid.org/0000-0002-4771-9165>

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### ***Teaching Interests:***

- C++ Programming Language.
- C# Programming Language.
- Object Oriented Programming.
- Data Structure and Algorithms.
- Data Communication.
- Computer Networks.
- Formal Languages and Automata.
- Compiler Design.
- Digital Logic Design.
- Computer organization
- Computer Architecture.
- Peripheral Devices
- Microprocessors & Assembly Language.
- Operations Research.
- Distributed systems.
- Distributed Operating Systems

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### ***Research Interests: (Networks, Distributed Systems, Cloud Computing)***

- Computer Networks
- Active Queue Management.
- Congestion Control.
- Distributed Systems.
- Algorithms
- Cloud Computing.
- Big Data Analysis.
- Load Balancing.
- Distributed computing.
- Task Allocation and Scheduling

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### ***Publications :***

#### **I: International Books**

- 2010 **Title:** Assignment of Tasks on Parallel and Distributed Computer Systems: Basics, Mathematical Models, and Algorithms
- **Author:** Gamal Attiya
  - **Co-Author:** Yskandar Hamam
  - **Paperback:** 208 pages
  - **Publisher:** VDM Verlag Dr. Müller (October 8, 2010)

- **Language:** English
- **ISBN-10:** 3639300629
- **ISBN-13:** 978-3639300628

**URL:** <http://www.amazon.com/Assignment-Parallel-Distributed-Computer-Systems/dp/3639300629>

## II: Local Books

2006

**Title:** "مكونات وتجميع الحاسبات"

- **Author:** Gamal Attiya
- **Co-Author:** Ahmed Raslan and El-Ahmady Ismail
- **Paperback:** ?? pages
- **Language:** Arabic
- **Deposit No.** 18386/2006.

This book is written in Arabic language and considered as the computer course in the Egyptian Technological Colleges, Egypt, since 2006 to date.

## III: International Book Chapters

2005 G. Attiya and Y. Hamam. *Static Task Assignment in Distributed Computing Systems*, A book chapter in "*Information processing: Recent Mathematical Advances in Optimization and Control*", Chapter XIX, pages 241-258. Presses de l'Ecole des Mines de Paris, Paris, 2005, ISBN: 2911762568.

2004 G. Attiya and Y. Hamam. *Task Allocation for Minimizing Programs Completion Time in Multicomputer Systems. Lecture Notes in Computer Science (LNCS)*, volume 3044, pages 97-106. Springer Verlag, 2004.

## IV. Thesis

2020 Tamer M. Talal, **Gamal Attiya**, and M. I. Dessouky, "*Fusion based Enhancement of Satellite Image*," Ph.D Thesis, Faculty of Electronic Engineering, Menoufia University, EGYPT, 30 September 2020.

2020 Yousef Esa, Ahmed M.Elmalahawy, **Gamal Attiya** and Ayman El-Sayed, "*A Novel Framework to Enhance Big data Processing for Healthcare Services*" Ph.D Thesis, Faculty of Electronic Engineering, Menoufia University, EGYPT, 05 March 2020.

2019 Aida A. Nasr, Nirmeen A. El-Bahnasawy, **Gamal Attiya**, and Ayman El-Sayed, "*Enhancing Cloud Computing Performance via Virtual Machines Management*," Ph.D Thesis, Faculty of Electronic Engineering, Menoufia University, EGYPT, 19 May 2019.

2018 Mona Kashkoush and **Gamal Attiya**, "*Multidimensional Diversity Employment for Cloud Computing Security*," M.Sc Thesis, Faculty of Electronic Engineering, Menoufia University, EGYPT, 2018.

2018 Alaa Fikrin, **Gamal Attiya** and Ayman El-Sayed, "*Information Security Enhancement in Digital Watermarking*," M.Sc Thesis, Faculty of Electronic Engineering, Menoufia University, EGYPT, 2018.

- 2017 Hanaa Mohammed, **Gamal Attiya**, and Samy El-Dolil, "*Active Queue Management (AQM) Techniques for Congestion Avoidance*," M.Sc Thesis, Faculty of Electronic Engineering, Menoufia University, EGYPT, 2017.
- 2017 Ibrahim Fayed, Mouktar Ahmed, **Gamal Attiya** and Nawal El-Fishawy "*Detection of Critical Nodes in Ad Hoc Network*," M.Sc Thesis, Faculty of Electronic Engineering, Menoufia University, EGYPT, 2017.
- 2017 Sheren A. El-Booz, **Gamal Attiya** and Nawal El-Fishawy "*Enhancement of Cloud Computing Security Based on Automatic Blocker Protocol*," M.Sc Thesis, Faculty of Electronic Engineering, Menoufia University, EGYPT, 2017.
- 2017 Ahmed Gaber, **Gamal Attiya** and Taha E. Taha, "*Recognition of Liver Diseases Based on Image Processing*," M.Sc Thesis, Faculty of Electronic Engineering, Menoufia University, EGYPT, 23 January 2017.
- 2016 Hanaa Salem, **Gamal Attiya** and Nawal El-Fishawy "*Multi-Agent based Intelligent Decision Support System for Medical Database*," Ph.D Thesis, Faculty of Electronic Engineering, Menoufia University, EGYPT, 25 Oct. 2016.
- 2015 Ahmed Naser, **Gamal Attiya** and Hamdy Kelash, "*Towards the Extension of Semantic Web to Support Arabic Content*" M.Sc Thesis, Faculty of Electronic Engineering, Menoufia University, EGYPT, 03 November 2015.
- 2015 Marwa Anany, **Gamal Attiya** and Nagy W. Meseha, "*Dynamic Adjustment of Congestion Window for Improving Internet Congestion Control*," M.Sc Thesis, Faculty of Electronic Engineering, Menoufia University, EGYPT, 12 August 2015.
- 2015 Osama Rizq, **Gamal Attiya**, Osama Salah and Hamdy Kelash, "*Image Processing and its Applications in Biomedical Field*," Ph.D Thesis, Faculty of Electronic Engineering, Menoufia University, EGYPT, 05 August 2015.
- 2014 Hany Atlam, **Gamal Attiya** and Nawal El-Fishawy, "*Content Based Image Retrieval: Evaluation and Enhancement*" M.Sc Thesis, Faculty of Electronic Engineering, Menoufia University, EGYPT, 01 October 2014.
- 2014 Yousef Esa, **Gamal Attiya** and Ayman El-Sayed, "*Framework for Multi-Task Scheduling in Distributed Systems using Mobile Agent*" M.Sc Thesis, Faculty of Electronic Engineering, Menoufia University, EGYPT, 2014.
- 2014 Mohamed Atef, **Gamal Attiya** and Nawal El-Feshawy, "*A Proposed Framework for Arabic Comments Summarization in Social Network (Twitter)*" M.Sc Thesis, Faculty of Electronic Engineering, Menoufia University, EGYPT, 2014.
- 2014 Tharwat Ibrahim, **Gamal Attiya** and Ahmed Mohamed Hamad, "*Congestion Control Mechanisms: Evaluation and Enhancement*," M.Sc Thesis, Faculty of Engineering, Benha University, EGYPT, 01 April 2014.
- 2013 Mohammed Adly Talat, **Gamal Attiya**, and Magdy Kotb, "*Enhanced Congestion Control for Internet Media Traffic*," PhD Thesis, Faculty of Eng., Tanta University, EGYPT, 18 November 2013.



- 2013 Ezz Eldin Badawy, **Gamal Attiya** and Nawal El-Feshawy, "*Performance Enhancement of the Cryptography Watermarking Techniques for Multimedia Objects*" M.Sc Thesis, Faculty of Electronic Engineering, Menoufia University, EGYPT, 12 October 2013.
- 2009 Heba El-Khobby, **Gamal Attiya**, Salah Khames, Mostafa Abd El-Naby, and Mostafa Nofal, "*Congestion Avoidance Policies in Computer Communication Networks*," PhD Thesis, Faculty of Eng., Tanta University, EGYPT, 01 July 2009.
- 2009 Marwa A. Shouman, **Gamal Attiya**, and Ibrahim. Z. Morsi, "*Load Balancing in Heterogeneous Distributed Systems*," M.Sc Thesis, Faculty of Electronic Engineering, Menoufia University, EGYPT, 22 April 2009.
- 2009 Hanaa A. Torkey, **Gamal Attiya**, and Ibrahim. Z. Morsi, "*Evaluation and Enhancement of End-to-End Congestion Control Protocol*," M.Sc Thesis, Faculty of Electronic Engineering, Menoufia University, EGYPT, 18 January 2009.
- 2004 **Gamal Attiya**, and Yskandar Hamam, "*Assignment of Tasks on parallel and Distributed computer systems*," PhD Thesis, University of Marne-La-Vallée, Paris, France, 2004.
- 1999 **Gamal Attiya**, Ehab A. Khalil and Osman A. Badr, "*Application of Multimedia in High Speed Computer Networks*," M.Sc Thesis, Faculty of Electronic Engineering, Menoufia University, EGYPT, 1999.

## V: Papers

### 2021

2021

- 2021 Ahmed M. El-Shamy, Nawal A. El-Fishawy, **Gamal Attiya**, Mokhtar A. A. Mohamed, "**Anomaly Detection and Bottleneck Identification of The Distributed Application in Cloud Data Center using Software-Defined Networking**" Egyptian Informatics Journal, **First Online: 20 January 2021**. DOI: <https://doi.org/10.1016/j.eij.2021.01.001> (**Impact Factor = 3.119 JCR-SCI 2019**)

### 2020

Ahmed Ghozia, **Gamal Attiya** Emad Adly and Nawal El-Fishawy, "**Intelligence Is beyond Learning: A Context-Aware Artificial Intelligent System for Video Understanding**" Computational Intelligence and Neuroscience 2020:1-15, 2020. **First Online: December 2020**. DOI: [10.1155/2020/8813089](https://doi.org/10.1155/2020/8813089) (**Impact Factor = 2.28 JCR-SCI 2018**)

Tamer M. Talal, **Gamal Attiya**, Mohamed R. Metwalli, Fathi E. Abd El-Samie, and M. I. Dessouky, "**Satellite image fusion based on modified central force optimization**," Multimedia Tools and Applications, **August 2020**. **First Online: 01 May 2020**. <https://doi.org/10.1007/s11042-019-08471-7> (**Impact Factor = 2.1 JCR-SCI 2018**)

Aida A. Nasr, Kalka Dubey, Nirmeen A. El-Bahnasawy, S. C. Sharma, **Gamal Attiya**, and Ayman El-Sayed, “**HPFE: A New Secure Framework for Serving multi-Users with Multi-Tasks in Public Cloud without Violating SLA**”, Journal of Neural Computing and Applications, Vol. 32, No 1, pp. 6821-6841. **June 2020**. First Online: 26 February 2019. <https://doi.org/10.1007/s00521-019-04091-2> (ISSN: 0941-0643 (Print) 1433-3058 (Online)) (Impact Factor = 4.664 JCR-SCI 2017)

Kalka Dubey, Aida A Nasr, SC Sharma, Nirmeen El-Bahnasawy, **Gamal Attiya**, Ayman El-Sayed, “**Efficient VM Placement Policy for Data Centre in Cloud Environment**,” In: Pant M., Sharma T., Verma O., Singla R., Sikander A. (eds), Soft Computing: Theories and Applications, Part of the Advances in Intelligent Systems and Computing book series (AISC), Vol. 1053, pp. 301-309, Springer, Singapore, **First Online: 11 February 2020**. DOI: [https://doi.org/10.1007/978-981-15-0751-9\\_28](https://doi.org/10.1007/978-981-15-0751-9_28)

Walaa Ali Khalil, Hanaa Torkey, **Gamal Attiya**, “**Survey of Apache spark optimized job scheduling in big data**,” International Journal of Industry and Sustainable Development, Vol. 1, No. 1, pp. 39-48, **January 2020**. ISSN 2682-4000. Publisher: Ministry of Military Production, Egyptian Academy for Engineering & Advanced Technology (EAE&AT). DOI: [10.21608/ijisd.2020.73486](https://doi.org/10.21608/ijisd.2020.73486)

Tamer M. Talal, **Gamal Attiya**, Mohamed R. Metwalli, Fathi E. Abd El-Samie, and M. I. Dessouky, “**Efficient Hybrid Method for Pan-Sharpening Enhancement of Multiband Satellite Images**,” Menoufia Journal of Electronic Engineering Research, Vol. 29, No. 1, pp. 21-30, **January 2020**.

Sheren A. El-booz, Marwa Radad, Nawal El-Fishawy and **Gamal Attiya**, “**A Review of the Methods For Detecting and Characterizing DNA Methylation as A Cancer Biometry**” International Conference on Electronic Engineering (ICEEM2019), **January 2020**.

## 2019

Ahmed M. El-Shamy, Nawal A. El-Fishawy, **Gamal Attiya**, Mokhtar A. A. Mohamed, “**Dynamic Load Balancing of Cloud Data Center Traffic Based on Software-Defined Networking**,” Menoufia Journal of Electronic Engineering Research, Vol. 28, pp. 319-325, **December 2019**. ICEEM2019-Special Issue, 2019, DOI: [10.21608/MJEER.2019.76682](https://doi.org/10.21608/MJEER.2019.76682)

Youssef M Essa, Ahmed Al-Mahalawy, **Gamal Attiya**, Ayman El-Sayed, “**Feature Engineering For Readmission Prediction Model of Real-Time Patient Streaming Data**,” Menoufia Journal of Electronic Engineering Research, Vol. 28, No. 2, pp. 286-291, ICEEM2019-Special Issue, **December 2019**.

Doaa H. Esawi, **Gamal Attiya**; and Mohammad El-Bardini, “**Intelligent Controller based Host-to-Host Congestion Control: Fuzzy Logic Controller**,” The 7th International Japan-Africa Conference on Electronics, Communications, and Computations, (JAC-ECC), 15-16 **December 2019**. Alexandria, Egypt. DOI: [10.1109/JAC-ECC48896.2019.9051220](https://doi.org/10.1109/JAC-ECC48896.2019.9051220)

Youssef M. ESSA, Ahmed El-Mahalawy, **Gamal ATTIYA**, and Ayman EL-SAYED, “**Parallel and Distributed Powerset Generation Using Big Data Processing**,” Int. Journal of Applied Artificial Intelligence, Vol. 33, Issue 13, pp. 1133-1156, **Oct. 2019**. First Online: **01 Oct 2019**. <https://doi.org/10.1080/08839514.2019.1665262> (ISSN: 0883-9514 (Print) - 1087-6545 (Online)) (Impact Factor = 1.172 JCR-SCI 2019)



Aida A. Nasr, Nirmeen A. El-Bahnasawy, **Gamal Attiya**, and Ayman El-Sayed, “**Cloudlet Scheduling based Load Balancing on Virtual Machines in Cloud Computing Environment**”, Journal of Internet Technology, Vol. 20, Issue 05, pp. 1371-1378, **September 2019**. <http://jit.ndhu.edu.tw/ojs/index.php/jit> (ISSN: 1607-9264) (Impact Factor = 1.38 JCR-SCI 2017)

Mona Kashkoush, Mohamed Azab, **Gamal Attiya** and Amr S. Abed, “**Online Smart Disguise: Real-time Diversification Evading Coresidency-Based Cloud Attacks**”, Cluster Computing Journal (The Journal of Networks, Software Tools and Applications), Vol. 22, Issue 3, pp. 721-736, **01 September 2019**. Springer, First Online: 22 October 2018. <https://doi.org/10.1007/s10586-018-2851-2> ISSN: 1386-7857 (Print) 1573-7543 (Online). (Impact Factor = 1.851 JCR-SCI 2017)

Tamer M. Talal, **Gamal Attiya**, Mohamed R. Metwalli, Fathi E. Abd El-Samie, and M. I. Dessouky, “**Two Efficient Hybrid Methods for Enhancing Pan-Sharpening of Multi-spectral Images Transmitted from Satellite to Ground Stations**,” *Journal of the Indian Society of Remote Sensing*, Vol. 47, Issue 7, pp. 1245-1255, **01 July 2019**. Springer India, First Online 30 April 2019. <https://doi.org/10.1007/s12524-019-00970-2>, ISSN: 0255-660X (Print), 0974-3006 (Online) (Impact Factor = 0.810 JCR-SCI 2017)

Ahmed Ghozia, **Gamal Attiya** and Nawal El-Fishawy, “**The Power of Deep Learning: Current Research and Future Trends**,” Menoufia Journal of Electronic Engineering Research, Vol. 28, No. 2, pp. 217-244, **July 2019**.

Ahmed Ghozia, **Gamal Attiya** and Nawal El-Fishawy, “**Towards the Conceptual Retrieval of Multimedia Documentary: A Survey**,” Menoufia Journal of Electronic Engineering Research (MJEER), Vol. 28, No. 2, pp. 259-286, **July 2019**.

Aida A. Nasr, Anthony T. Chronopoulos, Nirmeen A. El-Bahnasawy, **Gamal Attiya**, and Ayman El-Sayed, “**A Novel Water Pressure Change Optimization Technique for Solving Scheduling Problem in Cloud Computing**” Journal of Cluster Computing, Vol. 22, Issue 2, pp. 601-617, **15 June 2019**. Springer. First Online: 23 November 2018. [https://doi.org/10.1007/s10586-018-2867-7\(01234](https://doi.org/10.1007/s10586-018-2867-7(01234) (Impact Factor = 1.851 JCR-SCI 2017)

Youssef M. ESSA, Ezz El-Din Hemdan, Ahmed El-Mahalawy, **Gamal ATTIYA**, and Ayman EL-SAYED, “**IFHDS: Intelligent Framework for Securing Healthcare BigData**,” Journal of Medical Systems, Vol. 43, Issue 6, pp. 151, **01 June 2019**. First Online: 22 April 2019. <https://doi.org/10.1007/s10916-019-1276-7> (ISSN: 0148-5598 (Print) 1573-689X (Online)) (Impact Factor = 2.415 JCR-SCI 2017)

Hanaa Mohammed, **Gamal Attiya**, and Samy El-Dolil, “**New Class-based Dynamic Scheduling Strategy for Self-Management of Packets at the Internet Routers**,” International Arab Journal of Information Technology (IAJIT), Volume 16, No. 3, pp. 473-481, **01 May 2019**. (ISSN: 1683-3198) (Impact Factor = 0.724 JCR-SCI 2017)

Aida A. Nasr, Nirmeen A. El-Bahnasawy, **Gamal Attiya**, and Ayman El-Sayed, “**Using the TSP Solution Strategy for Cloudlet Scheduling in Cloud Computing**” Journal of Network and Systems Management, Vol. 27, Issue 2, pp. 366-387, **15 April 2019**. Springer. First Online: 12 July 2018. <https://doi.org/10.1007/s10922-018-9469-9> (Impact Factor = 1.676 JCR-SCI 2017)

Aida A. Nasr, Nirmeen A. El-Bahnasawy, **Gamal Attiya**, and Ayman El-Sayed, “**Cost-Effective Algorithm for Workflow Scheduling in Cloud Computing Under Deadline Constraint**” Arabian Journal for Science and Engineering, Vol. 44, Issue 4, pp. 3765-3780, **01 April 2019**. **Springer**. **First Online**: 07 December 2018. <https://doi.org/10.1007/s13369-018-3664-6> (**Impact Factor = 1.092 JCR-SCI 2017**)

Aida A. Nasr, Nirmeen A. El-Bahnasawy, **Gamal Attiya**, and Ayman El-Sayed, “**Meta-Heuristic Approach for Cloudlets Scheduling in Cloud Computing Environment**”, Menoufia J. of Electronic Engineering Research (MJEER), Vol. 28, No. 1, pp.137-158, **January 2019**.

## 2018

Tamer M. Talal, Mohamed R. metwalli, **Gamal Attiya**, Fathi E. Abd El-Samie, M.I. Dessouky, “**Fusion-based Resolution Enhancement of Satellite Images: Comparative Study and Performance Evaluation**”, **The 2018 14<sup>th</sup> International Computer Engineering Conference (ICENCO)**, 29-30 Dec. 2018. Cairo, Egypt. **Date Added to IEEE Xplore**: 07 February 2019. **Publisher**: IEEE **DOI**: 10.1109/ICENCO.2018.8636137

Aida A. Nasr, Nirmeen A. El-Bahnasawy, **Gamal Attiya**, and Ayman El-Sayed, “**A new online scheduling approach for enhancing QOS in cloud**” Future Computing and Informatics Journal, Vol. 3, Issue 2, pp. 424-435, **01 Dec. 2018**. **First Online**: 16 Nov. 2018. Elsevier <https://doi.org/10.1016/j.fcij.2018.11.005>

Youssef M. ESSA, **Gamal ATTIYA**, Ayman EL-SAYED and Ahmed El-Mahalawy, “**Data Processing Platforms for Electronic Health Records**”, Journal of Health and Technology, Vol. 8, Issue 4, pp. 271-280, **01 September 2018**. **First Online**: 31 January 2018. **Publisher**: Springer Berlin Heidelberg. ISSN: 2190-7188. <https://doi.org/10.1007/s12553-018-0219-5>

Aida A Nasr, Nirmeen A El-bahnasawy, **Gamal Attiya** and Ayman El-sayed, “**Dynamic Resource Allocation for Multi-User in Cloud Computing Under Deadline Constraint**”, The International Conference for Mathematics and Applications (ICMA18), Academy of Scientific Research and Technology, **5-7 April. 2018**, Cairo, Egypt

Aida A Nasr, Sheren Elbooze, Nirmeen A El-bahnasawy, **Gamal Attiya**, and Ayman El-sayed, “**Big Data Analytics Based on Machine Learning for Enhancing Cloud Computing Performance: State of Art**”, The International Conference for Mathematics and Applications (ICMA18), Academy of Scientific Research and Technology, **5-7 April. 2018**, Cairo, Egypt.

## 2017

Ayat Elnahaas, Nawal Alfshawy, Mohamed Nour, **Gamal Attiya** and Maha Tolba, “**Query Expansion for Arabic Information Retrieval Model: Performance Analysis and Modification**”, Proceedings of the Seventeenth Conference on Language Engineering (ESOLEC'2017), pp. 165-178, 6-7 Dec. 2017

Youssef M. ESSA, **Gamal ATTIYA**, Ayman EL-SAYED and Ahmed El-Mahalawy, “**A Distributed Multiagent Architecture for self-healing Healthcare Data Center**”, Proceedings of the 4<sup>th</sup> IEEE International Conference on Engineering

Technologies and Applied Sciences (ICETAS 2017), AMA International University Bahrain, 29 Nov – 1 Dec 2017.

Mona Kashkoush, Mohamed Azab, Mohamed Eltoweissy and **Gamal Attiya**, “**Towards Online Smart Disguise: Real-time Diversification Evading Co-Residency Based Cloud Attacks**”, Proceedings of the IEEE 3<sup>rd</sup> International Conference on Collaboration and Internet Computing (IEEE CIC Conference), pp. 235-242. Oct 15-17, 2017. San Jose, California, USA. ISBN: 978-1-5386-2565-1. <http://doi.ieeecomputersociety.org/10.1109/CIC.2017.00039>

Alaa Fikrin, **Gamal Attiya** and Ayman El-Sayed, “**A New Approach for Colored Watermarking Image into Gray Scale Image Using Wavelet Fusion**”, Optical and Quantum Electronics Journal, 49(8):284, First Online: 1 **August 2017**. (**Impact Factor = 1.033 JCR-SCI 2017**)

Ibrahim S. Fayed, Mokhtar A. Mohamed, **Gamal Attiya** and Nawal El-Fishawy, “**Random Topology Generation for Ad-hoc Network**”, Menoufia Journal of Electronic Engineering Research (MJEER), Vol. 26, No. 2, pp. 539-550, July 2017.

Hanaa Mohammed, **Gamal Attiya**, and Samy El-Dolil, “**Effects of Dynamic Scheduling of Internet Traffics on Multimedia Application Performance**,” Menoufia Journal of Electronic Engineering Research, Vol. 26, No. 2, pp. 551-570, July 2017. DOI: [10.21608/MJEER.2017.63635](https://doi.org/10.21608/MJEER.2017.63635)

Hanaa Mohammed, **Gamal Attiya**, and Samy El-Dolil, “**Active Queue Management for Congestion Control: Performance Evaluation, New Approach, and Comparative Study**,” International Journal of Computing and Network Technology, Volume 5, No.2, pp.37-49, May 2017. DOI: <http://dx.doi.org/10.12785/IJCNT/050201>

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## 2002

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### 2000

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### 1999

Ehab A. Khalil and **Gamal M. Ali**, "**An Efficient FDDI's MAC Protocol for Increasing the Throughput of Asynchronous Traffic and the Capacity of Synchronous Traffic**", Eighth IEEE IC3N'99, Boston, USA, Oct. 1999.

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A.M.Ragab, O.A.Badr, E.A.Khalil and **G.M.Ali**, "**Performance Evaluations of FDDI High Speed LAN for Supporting Multimedia Applications**", Proceedings of the 23<sup>rd</sup> International Conference for Statistics, Computer Science and its Applications Research, Cairo, EGYPT, May, 1998.

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### *Computer Skills:*

<b>Operating Systems</b>	Dos, Windows, Linux.
<b>Programing Languages</b>	Basic, Pascal, C++, OO C++, C#, MatLab, HTML, ASP and Php....
<b>Environments</b>	Word, Excel, PowerPoint, Access, Latex ...
<b>Computer Networks:</b>	LAN (Ethernet), Network Simulator (NS-2), Internet.....

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### *Additional Information:*

<b>Languages</b>	<b>Arabic:</b> Mother tongue
	<b>English</b>
	<b>French</b>

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