

## *Curriculum Vitae*

### *Prof. Dr. Rawya Yehia Rizk*

#### **Personal Data**

**Name** : Rawya Yehia Rizk  
**Position** : – Professor of Computer and Control Engineering.  
– Vice President of Post Graduate and Research,  
Port Said University.  
**Mobile No.** : +2 (100) 9067030  
**Birth date** : 29-5-1969  
**Nationality** : Egyptian  
**E-mail** : [r.rizk@eng.psu.edu.eg](mailto:r.rizk@eng.psu.edu.eg), [r.rizk@psu.edu.eg](mailto:r.rizk@psu.edu.eg).  
**Homepage** : <http://staff.psu.edu.eg/rawyarizk>



#### **Educational Qualifications**

- B.Sc. in Computer Engineering, Suez Canal University, 1991.
- M.Sc. in Computer Engineering, Suez Canal University, 1996.  
**Title:** "Protocols for Integrated Voice and Data Local Area Networks"
- Ph.D. in Computer Engineering, Suez Canal University, Egypt, 2001.  
**Title:** "Buffer Allocation Schemes for ATM Networks"

#### **Academic Positions**

- Chief Information Officer (CIO), Port Said University, 2014– May 2021.
- Head of Electrical Engineering Department, Port Said University, September 2017– May 2021.
- Full Professor, Electrical Engineering Department, Computer Division, Port Said University, March 2016 till now.
- Associate Professor, Electrical Engineering Department, Computer Division, Port Said University, January 2011 till 2016.
- Assistant Professor (Lecturer), Electrical Engineering Department, Computer Division, Suez Canal University, September 2001 till 2010.
- Assistant Lecturer, Electrical Engineering Department, Computer Division, Suez Canal University, from 1994 till 2001.
- Research Associate, Electrical Engineering Department, Suez Canal University, 1991 till 1994.

## Work Experience

- Executive director of Network Infrastructure Unit, Port Said University, 2010–2014, and 2020–2021.
- Executive director of Electronic Exams Unit, Port Said University, 2019–2021.
- Member of the National Committee for the management of the Information & Communication Technology Project (ICTP) in higher education, February 2015– May 2021.
- Manager of the board of directors ICTP project, Port Said University, 2014– May 2021.
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- Member of the board of the Faculty of Engineering, Port Said University, 2014–2015, and 2017–May 2021.
- Manager of CISCO Academy, Faculty of Engineering, Port Said University, 2010– May 2021.
- Executive director of Electronic Learning, Port Said University, 2019–2020.
- Member of the board of directors ICTP project, Port Said University, 2010–2014.
- Member of Evaluation Committee of Higher Institutes of Engineering, Technology and Applied Arts - Eighth Session (2019). Member number in database of Ministry of Higher Education is 719.  
(عضو في لجنة تقييم أداء المعاهد العالية للهندسة والتكنولوجيا والفنون التطبيقية الدورة الثامنة لسنة ٢٠١٩)
- Member of Evaluation Committee of Higher Institutes of Engineering, Technology and Applied Arts - Ninth Session (2020). Member number in database of Ministry of Higher Education is 719.  
(عضو في لجنة تقييم أداء المعاهد العالية للهندسة والتكنولوجيا والفنون التطبيقية الدورة التاسعة لسنة ٢٠٢٠)
- Member of Evaluation Committee of Higher Institutes of Engineering, Technology and Applied Arts - Tenth Session (2021). Member number in database of Ministry of Higher Education is 719.  
(عضو في لجنة تقييم أداء المعاهد العالية للهندسة والتكنولوجيا والفنون التطبيقية الدورة العاشرة لسنة ٢٠٢١)
- Head of Faculty of engineering library committee, Port Said University, 2017-2018, 2018–2019, and 2020–2021.
- Faculty of engineering environmental and community service committee member, Port Said University, 2015.
- Member of the board of the Higher Institute of Management and Computer, Port Said University, 2013–2014.
- Faculty of engineering environmental and community service committee member, Port Said University, 2010–2011.

- Chair of computer labs' specification and tender committee, Faculty of engineering, Port Said University, 2010– May 2021.
- Manager of CISCO Academy, Faculty of Engineering, Suez Canal University, 2008–2010.
- Executive director of Software Engineering Unit (SWEU), Faculty of Engineering, Suez Canal University, 2009–2010.
- Vice chair of Electrical Engineering Dept., Computer Division, Suez Canal University, 2009–2010.
- Faculty of engineering post graduate and research affairs committee member, Suez Canal University, 2006–2007.
- Faculty of engineering students' affairs committee member, Suez Canal University, 2002–2003.
- Designer and Trainer of IT courses, administration personnel, Suez Canal University, 2002–2010.
- Chair of computer labs' specification and tender committee, Faculty of Engineering, Suez Canal University, 2002–2010.
- Member, scientific equipment bidding selection committee, Faculty of Engineering, Suez Canal University, 2002–2010.

### **Domain of Research**

Computer networking including mobile networking, wireless networks, ATM, Sensor Networks, Ad Hoc Networks, Quality of Services (QoSs), traffic and congestion control, handoffs, multimedia, and cloud computing. In addition, Electronic commerce, and Artificial Intelligence.

### **Courses Taught**

Wireless Networks, Computer Networks, Parallel Processors, Computer Security, Logic Circuits, Artificial Intelligence, Data Bases, Programming, and Electronic commerce: in *Faculty of Engineering, Port Said University*, for the period from 2010 till now, and in *Faculty of Engineering, Suez Canal University*, for the period from 2002 till 2010.

### **Training courses obtained to participate in community service and the environment:**

❖ دورة " Training of Enterpreneurship Trainers (TET) " – تم الحصول عليها من منظمة العمل الدولية ٢٠١٢.

- ❖ دورة "مضي صاحبات المشاريع قدماً" – تم الحصول عليها من منظمة العمل الدولية في اطار مشروع "وظائف لائقة لشباب مصر" ٢٠١٣.
- ❖ دورة "دورة التقويم الذاتي المؤسسي لمؤسسات التعليم العالي" – تم الحصول عليها من الهيئة القومية لضمان جودة التعليم والاعتماد - مارس ٢٠١٣.
- ❖ دورة "برنامج ريمارك أوفيس ١٠" – تم الحصول عليها من شركة Remark (Middle East & North Africa) – في الفترة من ٢٠١٩/١٠/١ الى ٢٠١٩/١٢/٩.
- ❖ دورة عالمية The TOGAF® Standard - تم الحصول عليها من المجلس الأعلى للجامعات - يوليو ٢٠٢٠.
- ❖ دورة عالمية COBIT Standard (Control Objectives for Information and Related Technology) - تم الحصول عليها من المجلس الأعلى للجامعات - أكتوبر ٢٠٢٠.

### Summary Table for the Different Activities in the Resume

Activity	Counts		
<b>Publications</b>	Book Chapters	Journals	Conferences
	5	46	37
<b>Google Citations</b>	i10-index	H-index	Citations
	15	11	596
<b>Scopus Information</b>	No. of Pub.	H-index	Citations
	56	10	377
<b>Thesis Supervision</b>	Total	MSc.	Ph.D.
	38	23	15
<b>Reviewer and Examiner for Ph.D. and MSc.</b>	Total	MSc.	Ph.D.
	50	31	19
<b>Number of Verified Reviews in Publons</b>	82		
<b>Reviewer In the Supreme Council of The Egyptian Universities</b>	2019- present		
<b>Reviewer In the Evaluation Committee of Higher Institutes of Engineering, Technology and Applied Arts</b>	2019- present		

### Masters' Supervision

- 1- **Heba Nashat:** "Mobility Management Protocols for IP Networks," awarded May 2006, Suez Canal University.
- 2- **Asmaa Refaat:** "Traffic Analysis for Bluetooth Personal Area Network," awarded August 2007, Suez Canal University
- 3- **Fify Farouk:** "Wireless Asynchronous Transfer Mode Handoff Schemes," awarded October 2008, Suez Canal University.
- 4- **Walaa Saber:** "Packets Discard Schemes for Transmission Control Protocol over Asynchronous Transfer Mode," awarded October 2008, Suez Canal University.
- 5- **Amera Abdel Maksoud:** "Multirobot System Control using Wireless Network," awarded September 2009, Suez Canal University.
- 6- **Radwa Yousef:** "Routing Protocols for Mobile Ad Hoc Network," awarded December 2009, Suez Canal University.

- 7- **Aliaa Almaghraby:** “Quality of Service in Multi-Protocol Label Switching Networks,” awarded July 2010, Suez Canal University.
- 8- **Hala Elhadidy:** “Routing Algorithms for Wireless Sensor Networks,” awarded May 2011, Port Said University.
- 9- **Ahmed Salama:** “Digital image watermarking,” awarded August 2012, Port Said University.”
- 10- **Marwa Gamal:** “Routing Protocols in Wireless Mesh Networks,” awarded October 2012, Port Said University.
- 11- **Sara Abo Hashesh:** “Virtual Multiple-Input Multiple-Output Communications for Wireless Sensor networks,” awarded November 2012, Port Said University.
- 12- **Ghada Sandob:** “Opportunistic Scheduling for Mobile WiMAX Systems,” awarded May 2013, Port Said University.
- 13- **Yasmin Alkady:** “Security Protocols for Wireless Networks,” awarded March 2014, Port Said University.
- 14- **Abd Alla Mosa:** “Robust Template Matching for Grayscale Images” awarded April 2016, Port Said University.
- 15- **Ahmed Salah:** “Routing in Cognitive Radio Networks” awarded January 2018, Port Said University.
- 16- **Walaa Hashem:** “Load Balancing of Virtual Machines in Cloud Computing” awarded March 2018, Port Said University.
- 17- **Lamiaa Menshawy:** “Handoff Management in Mobile WiMAX Networks” awarded March 2018, Port Said University.
- 18- **Samar Hamdy:** “User Authentication in Cloud Computing” awarded December 2018, Port Said University.
- 19- **Nesma Ashry:** “Resources Allocation Strategies in Cloud Computing” awarded January 2019, Port Said University.
- 20- **Walid Moussa:** “Improvement of Load Balancing in Cloud Computing” awarded April 2019, [Suez Canal University](#).
- 21- **Mohamed Abd Elgwad:** “Packet Scheduling in Long Term Evolution Networks for Machine to Machine Communication” awarded May 2019, Port Said University.
- 22- **Mervat Salah:** “Scheduling Algorithms in Long Term Evolution” Port Said University.
- 23- **Eman Ismail:** "Resources Management in Fog Computing Networks" Port Said University.

**Ph. D. Supervision**

- 1- **Ahmed Hosney:** "Enhancing Performance of Geometric Algebra-Based Models," awarded May 2010, Suez Canal University.
- 2- **Heba Nashat:** "Mobility Management for Internet Protocol Networks," awarded October 2011, Port Said University.
- 3- **Rania Elkotby:** "Optimization in WiMAX Networks," awarded November 2011, Port Said University.
- 4- **Walaa Saber:** "The Accuracy of Network Coordinate Systems," awarded September 2014, Port Said University.
- 5- **Fify Farouk:** "A Performance Study of Heterogeneous Wireless Sensor Networks," awarded November 2014, Port Said University.
- 6- **Radwa Yousef:** "Internet Connectivity for Mobile Ad Hoc Networks," awarded December 2014, Port Said University.
- 7- **Hala Elhadidy:** "A New Methodology for joint Time-driven/Event-driven System Analysis with applications" awarded October 2015, Port Said University.
- 8- **Sara Abo Hashesh:** "Multihop Relay System for Long Term Evolution" awarded May 2018, Port Said University.
- 9- **Marwa Gamal:** "Load Balancing and Scheduling in Cloud Computing" awarded July 2019, [Suez Canal University](#).
- 10- **Yasmin Alkady:** "Data Security Achievement in Cloud Computing" awarded July 2020, Port Said University.
- 11- **Heba Elmessawy:** "Task Offloading in Fog Computing Networks" Port Said University.
- 12- **Noha Elsayad:** "Efficient Energy Consumption and Error Reduction Systems in Internet of Things" Port Said University.
- 13- **Ahmed Elbaz:** "Medical Image Analysis based on Machine learning Approaches" Port Said University.
- 14- **Nihal Hosney:** "A Framework for Analyzing 4G/LTE-A Real Data using Machine Learning Algorithms" Port Said University.
- 15- **Walaa Hashem:** "Machine Learning Based Load Balancing in Cloud Computing" Port Said University.

**Thesis Referring**

- 1- **Heba Nashat:** "Mobility Management for Internet Protocol Networks," Ph.D., awarded October 2011, Faculty of Engineering, Port Said University.

- 2- **Rania Elkotby:** “Optimization in WiMAX Networks,” Ph.D., awarded November 2011, Faculty of Engineering, Port Said University.
- 3- **Marwa Gamal:** “Routing Protocols in Wireless Mesh Networks,” Master, awarded October 2012, Faculty of Engineering, Port Said University.
- 4- **Sara Abo Hashesh:** “Virtual Multiple-Input Multiple-Output Communications for Wireless Sensor networks,” Master, awarded November 2012, Faculty of Engineering, Port Said University.
- 5- **Ghada Sandob:** “Opportunistic Scheduling for Mobile WiMAX Systems” Master, awarded May 2013, Faculty of Engineering, Port Said University.
- 6- **Awny Elmohandes:** “Information Security Techniques in Mobile Communication Systems,” Master, awarded September 2013, Faculty of Engineering, **Mansoura University**.
- 7- **Mona Nashaat:** “Static Code Analysis for Enhancing Web Applications Using Program Transformation Tools,” Master, awarded November 2013, Faculty of Engineering, Port Said University.
- 8- **Yasmin Alkady:** “Security Protocols for Wireless Networks,” Master, awarded March 2014, Faculty of Engineering, Port Said University.
- 9- **Walaa Saber:** “The Accuracy of Network Coordinate Systems,” Ph.D., awarded September 2014, Faculty of Engineering, Port Said University.
- 10- **Fify Farouk:** “A Performance Study of Heterogeneous Wireless Sensor Networks,” Ph.D., awarded November 2014, Faculty of Engineering, Port Said University.
- 11- **Radwa Yousef:** “Internet Connectivity for Mobile Ad Hoc Networks,” Ph.D., awarded December 2014, Faculty of Engineering, Port Said University.
- 12- **Amera Mahmoud:** “Rate Control for Scalable Video Coding,” Master, awarded January 2015, Faculty of Engineering, Port Said University.
- 13- **Hala Elhadidy:** “A New Methodology for joint Time-driven/Event-driven System Analysis with applications,” Ph.D., awarded October 2015, Faculty of Engineering, Port Said University.
- 14- **Abd Alla Mosa:** “Robust Template Matching for Grayscale Images,” Master, awarded April 2016, Faculty of Engineering, Port Said University.
- 15- **Nihal Hosney:** “Performance Analysis of Mobility Management Schemes for Vehicular Networks,” Master, awarded January 2017, Faculty of Engineering, Port Said University.
- 16- **Alaa Tharwat:** “Meta-Heuristic Algorithms for Solving Function Optimization Problems,” Master, awarded January 2017, Faculty of Engineering, **Suez Canal University**.



- 17- **Sheren Elbooz:** “Enhancement of Cloud Computing Security based on Automatic Blocker Protocol,” Master, awarded April 2017, Faculty of Engineering, **Menoufia University**.
- 18- **Mohamed Emara:** “Image Compression using Advanced Optimization Algorithms,” Master, awarded September 2017, Faculty of Engineering, Port Said University.
- 19- **Sara Abd Elwahab:** “Trust-Based Security for Wireless Sensor Networks,” Master, awarded October 2017, Faculty of Computers and Informatics, **Suez Canal University**.
- 20- **Aeasha Elkafrawy:** “A High Steganographic Capacity for Data Hiding in Images,” Master, awarded December 2017, Faculty of Engineering, Port Said University.
- 21- **Ahmed Salah:** “Routing in Cognitive Radio Networks,” Master, awarded January 2018, Faculty of Engineering, Port Said University.
- 22- **Walaa Hashem:** “Load Balancing of Virtual Machines in Cloud Computing,” Master, awarded March 2018, Faculty of Engineering, Port Said University.
- 23- **Lamiaa Menshawy:** “Handoff Management in Mobile WiMAX Networks,” Master, awarded March 2018, Faculty of Engineering, Port Said University.
- 24- **Sara Abo Hashesh:** “Multihop Relay System for Long Term Evolution,” Ph.D., awarded May 2018, Faculty of Engineering, Port Said University.
- 25- **Hadeer Hussein:** “Detection and Tracking of Moving Objects in Indoors Video Surveillance,” Master, awarded October 2018, Faculty of Engineering, **Suez Canal University**.
- 26- **Samar Hamdy:** “User Authentication in Cloud Computing” Master, awarded December 2018, Faculty of Engineering, Port Said University.
- 27- **Nesma Ashry:** “Resources Allocation Strategies in Cloud Computing” Master, awarded January 2019, Faculty of Engineering, Port Said University.
- 28- **Heba Saleh:** “Scheduling Algorithms in Cloud Computing” Master, awarded March 2019, Faculty of Engineering, Port Said University.
- 29- **Walid Moussa:** “Improvement of Load Balancing in Cloud Computing” Master, awarded April 2019, Faculty of Engineering, **Suez Canal University**.
- 30- **Mohamed Abd Elgwad:** “Packet Scheduling in Long Term Evolution Networks for Machine to Machine Communication” Master, awarded May 2019, Faculty of Engineering, Port Said University.
- 31- **Marwa Gamal:** "Load Balancing and Scheduling in Cloud Computing" Ph.D., awarded July 2019, Faculty of Engineering, **Suez Canal University**.
- 32- **Hossam El-Deen Taha:** "Multimedia Encryption and Decryption" Ph.D., awarded January 2020, Faculty of Engineering, **Suez Canal University**.

- 33- **Hisham Ali Sakr:** "Development of Accessing Multimedia Services over Wireless Technologies" Ph.D., awarded January 2020, Faculty of Engineering, **Mansoura University**.
- 34- **Kareem Areed:** "An Adaptive Model for Analyzing Big Data from Wireless Sensor Network" Master, awarded April 2020, Faculty of Engineering, **Mansoura University**.
- 35- **Osama Refaat:** "Scheduling Techniques for Performance Optimization of Long Term Evolution Mobile Systems" Ph.D., awarded June 2020, Faculty of Engineering, Port Said University.
- 36- **Hossam Eldin Agamy:** "Automatic Control of Air Quality for Closed Spaces Onboard Ships" Ph.D., awarded July 2020, Faculty of Engineering, Port Said University.
- 37- **Yasmin Alkady:** "Data Security Achievement in Cloud Computing" Ph.D., awarded July 2020, Faculty of Engineering, Port Said University.
- 38- **Mohamed Hedeya:** "Machine Learning Methods for Vehicle Classification" Master, awarded July 2020, Faculty of Engineering, Port Said University.
- 39- **Eman Ismail:** "Resources Management in Fog Computing Networks" Master, awarded October 2020, Faculty of Engineering, Port Said University.
- 40- **Amira Abd Elreheem:** "Symbolic Representation and Analysis of Parameter Varying Control Systems" Ph.D., awarded November 2020, Faculty of Engineering, Port Said University.
- 41- **Asmaa Mohamed Khaled:** "Meta-Heuristic Algorithms for Internet of Things Applications" Ph.D., awarded February 2021, Faculty of Engineering, Port Said University.
- 42- **Magy Aly Elbenhawy:** "An Improved Database Structure Based on Multi-tenancy and Cloud Computing" Master, awarded February 2021, Faculty of Engineering, Port Said University.
- 43- **Shaimaa Elsabbahi:** "MRI Brain Tumor Segmentation using Deep Learning" Master, awarded February 2021, Faculty of Engineering, **Mansoura University**.
- 44- **Hossam El-Sherif:** "Fuzzy Analytic Hierarchy Process for Engineering Department Selection" Master, awarded May 2021, Faculty of Engineering, **Ain Shams University**.
- 45- **Hend Samir Elmansy:** "Maximum Power Point Tracking for Photovoltaic Cells under Partial Shading Conditions using Bio-inspired Techniques" Master, awarded June 2021, Faculty of Engineering, **Mansoura University**.
- 46- **Aya Ahmed Salama:** "Classification of Cosmic Galaxy Images Based on Machine Learning Techniques" Master, awarded June 2021, Faculty of Engineering, **Mansoura University**.
- 47- **Said Helmy Ibrahim:** "Development of Robust Cryptosystem for Radar Data" Ph.D., awarded June 2021, Faculty of Engineering, **Mansoura University**.

- 48- **Ghada Sandoub**: “Low Light Images Enhancement Based on Retinex Model” Ph.D., awarded August 2021, Faculty of Engineering, Port Said University.
- 49- **Noha Elsayad**: "Efficient Energy Consumption and Error Reduction Systems in Internet of Things" Ph.D., awarded October 2021, Faculty of Engineering, Port Said University.
- 50- **Ahmed Elgretly**: “Enhanced Techniques to Design High Performance Time-Based Analog-to-Digital Converter Circuits” Ph.D., awarded October 2021, Faculty of Engineering, Port Said University.

### **Activities in International Journals:**

- Senior member of the **International Association of Computer Science and Information Technology (IACSIT)**.
- Invited member in the **Institute of Doctors Engineers and Scientists (IDES)**.
- Reviewer in “**IEEE Intelligent Transportation Systems Transactions**” Journal.
- Reviewer in “**IET Communications**” Journal.
- Reviewer in “**IET Wireless Sensor Systems**” Journal.
- Reviewer in “**International Journal of Communication Systems**”, Wiley.
- Reviewer in “**Journal of Network and Computer Applications**”, Elsevier.
- Reviewer in “**Computers and Electrical Engineering**”, Elsevier.
- Reviewer in “**Computers Communications**”, Elsevier.
- Reviewer in “**Journal of King Saud University - Computer and Information Sciences**”, Elsevier.
- Reviewer in “**Telecommunication Systems (TELS)**”, Springer.
- Reviewer in “**International Journal of Automation and Computing**”, Springer.
- Reviewer in “**International Journal of Distributed Sensor Networks**”, SAGE.
- Reviewer in “**Journal of Computer Networks and Communications**”, Hindawi.
- Reviewer in “**Electronics Letters**”, IET.
- Reviewer in “**International Journal of Ad Hoc and Ubiquitous Computing (IJAHUC)**”, Inderscience.
- Reviewer in “**International Journal of Trust Management in Computing and Communications (IJTMCC)**”, Inderscience.
- Reviewer in “**KSII Transactions on Internet and Information Systems**” Journal.
- Reviewer in “**Cryptologia**”, Taylor & Francis.

- Reviewer in “**International Journal of Advanced Computer Science and Applications (IJACSA)**”, Science and Information (SAI) Organization.
- Reviewer and Editorial board member in “**International Journal of Communication Systems and Networks**”, Science & Engineering Research Support Society (SERSC).
- Reviewer and Editorial board member in “**International Journal of Communication Technology for Social Networks**”, Science & Engineering Research Support Society (SERSC).
- Reviewer in “**International Journal of Communication Systems and Networks Technologies (IJCSNT)**”
- Member in the “**Scientific and Technical Committee & Editorial Review Board on Natural and Applied Sciences**”, World Academy of Science Engineering and Technology (WASET).
- Reviewer in “**Indian Journal of Science and Technology**” P-ISSN 0974-6846 E-ISSN 0974-5645.
- Reviewer in “**Ain Shams Engineering Journal (ASEJ)**”, Elsevier, ISSN: 2090-4479.
- Reviewer in “**MEJ. Mansoura Engineering Journal**”, ISSN: 1110-0923.
- Reviewer in “**Port-Said Engineering Research Journal (PSERJ)**” ISSN 1110-6603.

### **Activities in International Conferences:**

- Member in “Organizing Committee” of “**The Tenth International Middle East Power Systems Conference (MEPCON’2005)**”, Egypt 2005.
- Session Chair in “**2009 IEEE International Conference on Image Processing (ICTP’09)**”, Egypt, 2009.
- Member in “Technical Program Committee” of “**The International Conference on Computational Intelligence Communication Networks (CICN 2010)**”, India, November 26-28, 2010.
- Member in “Program Committees and Reviewers” of “**4<sup>th</sup> IEEE International Conference on Computer Science and Information Technology (IEEE ICCSIT 2011)**”, Chengdu, China, June 10-12, 2011.
- Member in “Technical Program Committee” of “**The International Conference on Computational Intelligence and Communication Networks (CICN 2011)**”, Gwalior, India, October 07-09, 2011.

- Member in the “International Program Committee” of “**World Congress on Information and Communication Technologies (WICT)**”, Mumbai, India, December 11-14, 2011.
- Member in “Program Committee” of “**International Conference on Soft Computing for Problem Solving (SocPros 2011)**”, Springer, Roorkee, India, December 20-22, 2011.
- Member in “International Program Committee” of “**The International Conference on Communication Systems and Network Technologies (CSNT 2012)**”, Rajkot, India, May 11-13, 2012.
- Member in “Technical Program Committee” of “**The International Conference on Computational Intelligence and Communication Networks (CICN 2012)**”, Mathura, India, November 03-05, 2012.
- Member in “Technical Program Committee” of “**Seventh International Conference on Bio-Inspired Computing: Theories and Application, 2012 (BIC-TA 2012)**”, Gwalior, India, December 14-16, 2012.
- Member in “Program Committees and Reviewers” of “**5<sup>th</sup> International Conference on Computer Science and Information Technology (ICCSIT 2012)**”, Hong Kong, December 29-30, 2012.
- Member in “Technical Program Committee” of “**The International Conference on Machine Intelligence Research and Advancement (ICMIRA 2013)**”, India, December 21-23, 2013.
- Member in “Program Committee” of “**The 9<sup>th</sup> International Conference on Bio-Inspired Computing: Theories and Application, 2014 (BIC-TA 2014)**”, Wuhan, China, October 16-19, 2014.
- Member in “Technical Program Committee” of “**The International Conference on Communication Systems and Network Technologies (CSNT-2015)**”, India, April 4-6, 2015.
- Member in “Editorial Committee” of “**International Workshop on for Social Networks (CTSN-2015)**”, Korea, December 16-19, 2015.
- Member in the “International Technical Committee” of “**International Conference on Computer Science and Communication Technology (CSCT-2016)**”, Beijing, China, December 30-31, 2016.
- Member in the “Technical Program Committee” of “**19<sup>th</sup> IEEE International Conference on Advanced Communications Technology (ICACT-2017)**”, Phoenix Park, PyeongChang, Korea, February 19-22, 2017.

- Member in the “Technical Program Committee” of “**International Conference on Artificial Intelligence and Computer Engineering (AICE-2017)**”, Xiamen, China, June 23-25, 2017.
- Member in “Program Committee” of “**The 13<sup>th</sup> International Conference on Bio-Inspired Computing: Theories and Application, 2018 (BIC-TA 2018)**”, Beijing, China, November 2-4, 2018.
- Reviewer in “**21st International Conference on Advanced Communications Technology (ICACT 2019)**” Phoenix Park, PyeongChang, Korea, 2019.
- Reviewer in “**IEEE International Conference on Computer Engineering and Systems (ICCES 2019)**” Cairo, Egypt, December 2019.
- Member in “Program Committee” of “**The 14<sup>th</sup> International Conference on Bio-Inspired Computing: Theories and Application, 2019 (BIC-TA 2019)**”, Zhengzhou, China, November 22-25, 2019.
- Reviewer in “**22nd International Conference on Advanced Communications Technology (ICACT 2020)**” Phoenix Park, PyeongChang, Korea, 2020.
- Member in “Program Committee” of “**The 15<sup>th</sup> International Conference on Bio-Inspired Computing: Theories and Application, 2020 (BIC-TA 2020)**”, Qingdao, China, October 23-25, 2020.
- Member in “Program Committee” of “**The International Conference on Decision Aid Sciences and Applications (DASA' 20)**”, Kingdom of Bahrain, November, 2020.
- Conference Chair in “**The 8th International Conference on Advanced Machine Learning and Technologies and Applications (AMLTA2022)**”, Egypt, May 2022.

## List of Publications

### Book Chapters:

- [1] R. F. Abdel-Kader, N. E. El-Sayad, and **R. Y. Rizk**, Efficient Noise Reduction System in Industrial IoT Data Streams,” *Proceedings of the International Conference on Advanced Intelligent Systems and Informatics 2021. AISI 2021. Lecture Notes on Data Engineering and Communications Technologies*, vol. 100, pp. 219–232, 2022, Springer, Cham. [https://doi.org/10.1007/978-3-030-89701-7\\_20](https://doi.org/10.1007/978-3-030-89701-7_20).
- [2] Nihal H. Mohammed, Heba Nashaat, Salah M. Abdel-Mageid, and **Rawia Y. Rizk**, A Machine Learning-based Framework for Efficient LTE Downlink Throughput. *Artificial Intelligence for a Better, Smarter and Connected World: towards a Sustainable Future, Studies in Computational Intelligence Series*, vol. 912, pp. 193–218, Springer, Cham, September 2020. [https://doi.org/10.1007/978-3-030-51920-9\\_10](https://doi.org/10.1007/978-3-030-51920-9_10)
- [3] Marwa Gamal, **Rawya Rizk**, Hani Mahdi, and Basem Elhady, Bio-Inspired based Task Scheduling in Cloud Computing. In *Machine Learning Paradigms: Theory and Applications, Studies in Computational Intelligence Series*, Springer, Vol. 801, pp. 289–308, 2019. [DOI: 10.1007/978-3-030-02357-7\\_14](https://doi.org/10.1007/978-3-030-02357-7_14)
- [4] **Rawya Yehia Rizk**. Quality of Services in Wireless Sensor Networks. In *Wireless Sensor Networks: From Theory to Applications*, Ibrahiem M.M.El Emary and S. Ramakrishnan (Ed.), CRC Press, Taylor & Francis Group, USA, August 2013. <http://www.crcpress.com/product/isbn/9781466518100>
- [5] **Rawya Yehia Rizk**. Cooperative Systems in Wireless Sensor Networks. In *Wireless Sensor Networks: From Theory to Applications*, Ibrahiem M.M.El Emary and S. Ramakrishnan (Ed.), CRC Press, Taylor & Francis Group, USA, August 2013. <http://www.crcpress.com/product/isbn/9781466518100>

**Journals:**

- [1] Radwa Attia, Abeer Hasaan, and **Rawya Rizk**, "Advanced Greedy Hybrid Bio-Inspired Routing Protocol to Improve IoV," *IEEE Access*, vol. 9, pp. 131260-131272, September 2021.
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