

CURRICULUM VITAE

Mohamed Mostafa Fouad, PhD., Senior IEEE.



**Associate Professor of Artificial Intelligence and
Computer Science**

**Associate Dean of Postgraduate Studies and
Researches, College of Computing,
Arab Academy for Science, Technology, and
Maritime Transport**

Google Scholar h-index: 17 [Link](#)

Scopus h-index: 13 [Link](#)

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(aka, Dr. Mohamed Eltaweel)

Professional Summary:

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- Senior IEEE and Practitioner Professor with 25 years of progressive academic experience and 18 years of specialized expertise in Artificial Intelligence, Machine Learning, and Cybersecurity.
 - Currently, an AI Enablement Consultant at SUTech Elsewedy University.
 - Led successful ABET accreditation for Computer Science and Software Engineering majors for 5 years accreditations, and served nine years as Head of Educational Departments (2016-2025). Currently serving as the Associate Dean of Postgraduate Studies and Researches.
 - Online Lecturer, at the Software Engineering Program, UBT University, KSA.
 - Online Lecturer, at the Master of Artificial Intelligence Program, Midcean University, UAE.
 - Expert in Digital Transformation, which is formally established through my leadership in developing regional strategies and roadmaps for Artificial Intelligence and Cybersecurity. Furthermore, I apply this expertise at a national level by serving as the Head of the Consultants Committee for a currently running National Project and as a member of a consultant committee for a finished National Project.
 - Consultant at the NTRA R&D and a member of multiple League of Arab States' Focus Groups for formulating regional Strategies and Roadmaps (a Regional Artificial Intelligence Framework, and a Regional Cybersecurity Roadmap).
 - AI Consultant at BEDO - Innovating Education Company.
 - AI Transformation Consultant for Elsewedy Technical University.
 - Education Consultant for Eyouth learning platform.
 - 2 years' experience as the acting Head of the BIS department at the College of Management.
 - Substantial experience in developing instructional systems and curriculum, with expertise in Python, Java, Deep Learning (TensorFlow, PyTorch), and Cloud Computing (AWS, Azure).
 - I coached a team that was nominated for the ICPC World Finals Baku, Azerbaijan, 2025.
 - Certified Palo Alto Networks Cybersecurity Associate Instructor from 2021.
 - Certified AI Trainer from the French Graduate School of Computer Science and Advanced Technologies (EPITA) in the Artificial Intelligence track "AI-Pro" from 2021.
 - Academia Ambassador, for the Government Industry Academia Initiative, UAE.
 - Member of the Communications and Information Technology Research Council, ASRT.
 - Member of the National Committee for Communication and Information Technology, ASRT, from 2022 till 2025.
 - Co-Organizer and a moderator at the international AfriCHI2025 conference.
 - Co-Chair of Engineering and AI Track at the ICEENG2024.
 - Director of the Technical Committee and Advisory Board for the IoT & AI Challenge Annual Competition from 2021 until now.
 - Head of coordinators for KORTEXT textbook and learning platform.
 - Served as a Consultant for startups and mid-sized companies.
 - Serving as an Advisory Board Member for the AAST Entrepreneur Center.

Curriculum Vitae – Mohamed Mostafa Fouad, PhD.

- Substantial experience in developing instructional systems for academics and immense knowledge of training design and curriculum.
- Extensive experience preparing proposals, reports, and presenting at academic and professional conferences.
- I recently received a grant from The IT Industry Development Agency (ITEDA) by 2024, to support a graduation project.

Degrees

- Post-Doctoral Fellow, October 2014– October 2015, Faculty of Electrical Engineering and Computer Science, VSB – Technical University of Ostrava, Czech Republic.
- Ph.D. (2012) Helwan University, Faculty of Computing and Information Systems, Department of Computer Science. Thesis topic: Securing Communication between WSNs.
- M.Sc. (2005) Helwan University, Faculty of Computing and Information Systems, Department of Computer Science. Thesis topic: Building an Automatic UML Code Generator Engine
- B.S. (2000) Helwan University, Faculty of Computing and Information Systems, Department of Computer Science.

Professional Certifications

- Certified trainer from the French Graduate School of Computer Science and Advanced Technologies (EPITA) in the Artificial Intelligence "AI-Pro", 2021.
- Certified Palo Alto Networks Cybersecurity Associate Instructor - 2020.
- CISCO Certificate -Introduction to Cybersecurity, 2020.
- CERTIFIED Entrepreneurship Trainer and Startup Advisor, Wadhwani Foundation, India, 2019.
- IBM Academic Certificate - Artificial Intelligence Analyst Mastery Award for Educators, 2018.
- Certified Startup Mentorship from Ciputra Entrepreneurship Center, 2018.
- Certified Social Media Marketing, from the Integrated Marketing Foundation, Cairo, Egypt.
- Certified Search Engine Optimization (SEO), from the Core Training Center, Greek Campus, Cairo, Egypt.

Technical Skills

- Programming Languages: Python, Java, C++, SQL
- Software Development: Agile methodologies, Full-Stack Development
- Data Analysis Tools: Power BI, Tableau, R Script, Machine Learning.
- Technologies: TensorFlow, PyTorch, Git, Google Colab, SAS Visual Analytics 1 and 2, Statistics for machine learning, SAS visual statistics.
- Database Management: MySQL, SQL Server, MongoDB
- Cloud Computing: AWS, Azure, Google Cloud Platform

Research Interests

- Artificial Intelligence Approaches and Applications.
- Algorithms' Optimization, Machine Learning, and Data Driven Decision Making.
- Information retrieval, e-commerce, Big Data Analytics, and Business Analytics.
- Wireless Sensor Networks' Routing and Security
- Natural Language Processing, and image segmentation.

- Bioinformatics and Business Analytics.

Employment History

- **AI Enablement Consultant** at SUTech Elsewedy University, September 2026-Present.
- **Associate Dean for Postgraduate Studies and Researches**, September 2025-August 2026
 - Responsibility: Managing the academic and administrative functions of graduate programs, ensuring academic excellence and support for faculty and students. Developing Policies related to graduate studies, including regulations and guidelines. Fostering research initiatives and work with faculty to enhance graduate student recruitment and retention. Providing administrative leadership and support to the university's graduate programs and students. Additionally, participating in strategic planning initiatives to promote graduate studies.
- **Head of Educational Departments**, July 2016-August 2025, College of Computing and Information Technology, Smart Village Campus, Arab Academy for Science, Technology, and Maritime Transport.
 - Responsibility: Providing leadership and direction to the department. Overseeing curriculum development and ensuring alignment with industry standards. Managing faculty recruitment, development, and evaluation. Facilitating research activities and fostering collaborations with industry partners. Administering departmental budgets and resources. Promoting student success, advising, and mentoring. Representing the department in university committees and external engagements Maintaining accreditation standards and compliance. Finally, cultivating a positive and inclusive departmental culture.
- **AI Transformation Consultant for Elsewedy Technical University**, April 2026-present.
 - Responsibility: Leading the AI Steering Committee to govern the university's transition into an AI-driven smart institution.
- **Educational Board Member for Eyouth Learning Platform**, March 2026-present.
 - Responsibility: Providing academic advisory services and scientific supervision as a non-executive member of the company's Academic Advisory Committee to ensure the quality of its educational programs.
- **Director** of the Technical Committee and Advisory Board for the IoT & AI Challenge Annual Competition, July 2021-Present.
 - Responsibility: overseeing the technical aspects of the competition, providing guidance and advice to participants, coordinating with advisory board members, and ensuring the successful execution of the competition.
- **Consultant**, June 2023-Present, R&D Department, National Telecom Regulatory Authority (NTRA), Egypt.
 - Responsibility: Conducting researches and development of specialized applications to align with the objectives of the National Telecommunication Regulatory Authority (NTRA).
- **Consultant**, March 2025-Present, AI for Education Sector, Bedo – Innovating Education Company.
 - Responsibility: Developing and leading the audit of the produced AI-based educational digital content.
- **Associate Professor (Tenured)**, October 2019-Present, Computer Science Department, Arab Academy for Science, Technology, and Maritime Transport.
 - Responsibility: Teaching at the undergraduate and graduate level, establishing research work in AI, machine learning, WSNs, Big data analytics, and NLP, and administration tasks.
- **Online Lecturer**, March 2025-Present, Software Engineering Program, UBT University, KSA.
 - Teaching introductory and advanced courses in Software Engineering through online lectures, discussion panels, and assessments.

Curriculum Vitae – Mohamed Mostafa Fouad, PhD.

- **Online Lecturer**, Jan 2024-Present, Master of Artificial Intelligence Program, Midocean University, UAE.
 - Responsibility: Teaching introductory and advanced courses in Artificial Intelligence through online lectures, discussion panels, and assessments.
- **Head of Business Information System Department (Acting)** December 2015- June 2016, College of Management and Information Technology, Dokki Campus, Arab Academy for Science, Technology, and Maritime Transport.
 - Responsibility: Providing leadership and direction to the department. Overseeing curriculum development and ensuring alignment with industry standards. Managing TA's recruitment, development, and evaluation. Administering departmental budgets and resources.
- **Artificial Intelligence Instructor**, 2021- Jan 2023, Information Technology Institute (ITI), Ministry of Communications and Information Technology, Egypt.
 - Responsibility: Delivering advanced AI technology using Advanced Java APIs, Maven repositories, and frameworks such as Spring Boot framework.
- **Lecturer**, September 2012 – June 2016, Business Information System, College of Management and Information Technology, Dokki Campus, Arab Academy for Science, Technology, and Maritime Transport.
 - Responsibility: conducting graduate and undergraduate teaching, participating in department seminars and meetings, establishing contacts with the wider academic community, preparing outcome-based assessment reports, designing teaching material and delivering either across a range of modules or within a subject area. Using appropriate teaching, learning support and assessment methods. Identifying areas where current provision is in need of revision or improvement. Contributing to the planning, design and development of objectives, and material. The setting, marking and assessing work and examinations and provide feedback to students.
- **Post-Doctoral Fellow**, October 2014– October 2015, Faculty of Electrical Engineering and Computer Science, VSB – Technical University of Ostrava, Czech Republic.
 - Responsibility: Performed the research on Algorithms' Optimization, and Wireless Networks Routing Enhancements. Conducted a weekly meeting with the research group, participated in the faculty seminars and meetings. Conducted research paper writing sessions. Delivered survey reports bi-weekly.

Training Programs

-AI-based frameworks: Maven, Spring Boot	Information Technology Institute
-Fundamentals of Entrepreneurship (certified trainer)	at CCIT
-SAS Statistics for machine learning	
-SAS visual statistics	
-Data Analytics for Business	MBA Program in a number of University
-Power BI	Center of Continuing studies
-Digital Supplychain	Quality and Productivity Institute
-Palo Alto Networks Cybersecurity Essentials	

Undergraduate and Graduate Teaching

- Artificial Intelligence Methodologies,
- Data Analytics for Business
- Digital Image Processing,
- Computer Vision Foundations,
- Introduction to Data Science,
- Discrete Mathematics,
- Statistical Inference Techniques and Regression Analysis,
- Machine Learning for Data Science,
- Data Warehousing Foundations,
- SAS Visual Analytics 1 and 2
- Web Programming,
- Computer Networks,
- Advanced Database Systems,
- Cloud Computing,
- Computer Graphics,
- Information Economy,
- System Analysis and Design,
- Research Methodologies.
- Advanced Topics in Intelligent Computing,
- Computer Algorithms
- Computer Security Essentials,
- Data Structures and Algorithms,
- Operating Systems,
- Project Management,
- Object Oriented Design and Programming,
- Adv. Programming Applications (AI-based frameworks: Maven, Spring Boot),
- E-commerce Technologies,
- Introduction to Software Engineering
- Software Architecture and Design.

Supervision of Highly Qualified Personnel

I have supervised /co-supervised: 14 DBA: (Thesis-based), 2 PhD, 15 MSc. (Thesis-based), and more than 272 Undergraduate Students (Capstone Projects).

Volunteering Experience

- **Reviewer Committee member** of the 6th International Telecommunications Conference at Egyptian Military Academy, Jul 27 to Jul 30, 2026.
- **Organization Committee member** of the 5th AfriCHI2025 International conference, Nov 4 to Nov 8, 2025.
- **Invited as A keynote Speaker** at the IEEE Global Conference on Artificial Intelligence and Internet of Things (2025 IEEE GCAIoT), Nov 23 to Nov 25, 2025.
- **Coached a team** that was nominated for the ICPC World Finals Baku, Azerbaijan, 2025.
- **Co-Chair of Engineering and AI track**, at the ICEENG2024 International Conference.
- **A Committee Member** assigned from ASRT to propose a Roadmap for the implementation of the Metaverse in Egypt, 6 months' project, Dec 2023.
- **A Panelist** at the ITIDA's Employment Fair - 13th Edition, Mar 2024, Egypt.
- **A Panelist** at the Arab Youth Summit 2024, Arab League, Feb 2024, Egypt.

- **A Keynote Speaker** at the 4th Edition of the Government Industry Academia Hub, GITEX 2023, Dubai.
- **A Keynote Speaker** at AI and big data storage solutions Event, that was sponsored by Ingram Micro and IBM on 21st of June 2022 at Fairmont Nile City Hotel
- **A Panelist and a Keynote Speaker** at the Forum for Good Governance in the Virtual World “Metaverse”, held by the National Institute for Governance and Sustainable Development in cooperation with the Thunderbird School of Global Management at Arizona State University, 24 Feb 2022.
- **A Keynote Speaker** at the International Symposium for Adoption of FOSS to Thrive Intelligent Education and Digital Economy, by the Communication and Information Research Center (CIRC) at Sultan Qaboos University (SQU) and the Ministry of Transport, Communications and Information Technology (MTCIT) in Oman, 14-16 Feb 2022.
- **A Keynote Speaker** at the ICT in Our Lives International Conference about "AI for Empowering People with Disabilities", 19 December 2021.
- **Member** of the IT4Innovations project, Czech Republic.
- **Nominated to participate** in the 48th Session of the Arab Permanent Committee for ICT, in the presence of representatives of Arab countries and international and regional organizations, 20-21 December 2021.
- **Advisory Committee Member** for the National Competency Framework for the ICT Industry launched by ITIDA.
- **Jury Member** at the best Egyptian University's Website/Portal Competition launched by the Ministry of Higher Education for the year 2021.
- **Invited Speaker** at a number of Conferences and International Events, including but not limited: The 14th ICT Learn 2020 International Conference, EduVation Summit 2019 and 2021, the Egyptian National Commission for Education, Science and Culture (UNESCO) 2014, Faculty of Medicine, Cairo University, 2014, Ostrava University, Czech Republic, 2015.
- **Reviewer For International Journal** including but not limited to: Engineering Applications of Artificial Intelligence – ELSEVIER, International Journal of Distributed Sensor Networks – SAGE, IEEE Wireless Communications Magazine, Cluster Computing – SPRINGER, Neurocomputing – ELSEVIER, Engineering Applications of Artificial Intelligence– ELSEVIER, Journal of Network and Computer Applications– ELSEVIER, Journal of Neural Computing and Applications – SPRINGER, International Journal of System Dynamics Applications – IGI Global.

PUBLICATIONS

Life-time summary (count) according to the following categories:

Book Editor: 2

Chapters in books: 4

Papers in refereed journals (Published/Accepted/In-press) : 14

Papers in refereed journals (Under Review): 5

Papers in refereed conference proceedings (Published/Accepted): 20

Papers in refereed conference proceedings (Submitted): 2

Book Editor

1. Book titled “Multimedia Forensics and Security: Foundations, Innovations, and Applications”, Intelligent Systems Reference Library, Springer International Publishing, ISBN: 9783319442709.

2. Conference proceedings of “The International Conference on Advanced Machine Learning Technologies and Applications (AMLT2018)”, Part of the Advances in Intelligent Systems and Computing book series (AISC, volume 723), ISBN 978-3-319-74689-0.

Book Chapters

1. Mohamed Mostafa M. Fouad, Khalid Mohamed Amin, Nashwa El-Bendary, and Aboul Ella Hassanien, “Brain Computer Interface: **A Review**”, **Brain-Computer Interfaces**, Springer International Publishing Switzerland, 2015.
2. Mohamed Mostafa M. Fouad, and Aboul Ella Hassanien. “**Key Pre-distribution Techniques for WSN Security Services**”, Bio-inspiring Cyber Security and Cloud Services: Trends and Innovations. Springer Berlin Heidelberg, 2014. 265-283.
3. Nashwa El-Bendary, Mohamed Mostafa M. Fouad, Rabie A. Ramadan, Soumya Banerjee, and Aboul Ella Hassanien, “**Smart Environmental Monitoring using Wireless Sensor Networks**”, Wireless Sensor Networks: From Theory to Applications, CRC Press. ISBN 9781466518100., 2013.
4. Mohamed Mostafa M. Fouad, Nashwa El-Bendary, Rabie A. Ramadan, Aboul Ella Hassanien, “**Wireless Sensor Networks: A Medical Perspective**”, Wireless Sensor Networks: From Theory to Applications book, CRC Press. ISBN 9781466518100., 2013.

Journal Articles

Refereed Publication

1. Chatterjee, Arushi, Chittaranjan Pradhan, Hrudaya Kumar Tripathy, Tarek Gaber, and Mohamed Mostafa Fouad. “**AI Secure Watermarking Method Leveraging the Error-Resistant Nature of Deep Learning Models.**” *IET Image Processing* 20, no. 1 (2026): e70437.
2. Ahmed Yosry Akrab , Manar Mohamed Hafez , and Mohamed Mostafa Fouad, “**An Adaptive Machine Learning Architecture Optimized For Customer Churn Prediction**”, International Journal of Applied Mathematics, vol. 39, no. 1s, 2026. <https://doi.org/10.12732/ijam.v39i1s.1936>.
3. Eldakhakhni, Mennatullah Mamdouh, Marwa Abdellah, and Mohamed Mostafa Fouad. “**Cognitive NLP for Mental Health: A Multi-Task Learning Approach for Depression Detection and Severity Assessment.**”, Menoufia Journal of Electronic Engineering Research (MJEER), (2026), VOL. 35, NO. Suppl. 1,
4. Eldakhakhni, Mennatullah, Marwa Abdellah, and Mohamed Fouad. “**A Survey of Mental Health Intent Recognition Approaches.**” International Journal of Computers and Informatics (Zagazig University) 10 (2026): 93-111.
5. Masood, Mohsin, Mohamed Mostafa Fouad, Rashid Kamal, Khursheed Aurangzeb, Sheraz Aslam, Zahid Ullah, and Ivan Glesk. “**Enhanced Optimisation of MPLS Network Traffic using a Novel Adjustable Bat Algorithm with Loudness Optimizer.**” *Results in Engineering* (2025): 104774.
6. Taha, Roqaiya Adel, Aliaa Abdel-Halim Youssif, and Mohamed Mostafa Fouad. “**Transfer learning model for anomalous event recognition in big video data.**” *Scientific Reports* 14, No. 1 (2024): 27868.
7. Mohamed Hassan, Afnan, Khaled Mahar, Mohamed Mostafa Fouad, “**AMDS: A Multistage Framework Using Deep Learning Models for Early Diagnosis of Melanoma and Non-Melanoma Skin Lesions**”, Information Sciences Letters, Vol. 13, No. 4 (Jul. 2024), PP:791-807, doi:10.18576/isl/130405.

8. Fouad, Mohamed Mostafa, Karim Malawany, Ahmed Gamil Osman, Hatem Mohamed Amer, Ahmed Mohamed Abdulkhalek, and Abeer Badr Eldin. "**Automated vehicle inspection model using a deep learning approach.**" Journal of Ambient Intelligence and Humanized Computing, ppt. 1-9, 2022. IF:3.662.
9. Masood, Mohsin, Mohamed Mostafa Fouad, Rashid Kamal, Ivan Glesk, and Imran Ullah Khan. "**An improved particle swarm algorithm for multi-objectives based optimization in MPLS/GMPLS networks.**" IEEE Access 7, pp. 137147-137162, 2019.
10. Fouad, Mohamed Mostafa, Ahmed Ibrahim Hafez, and Aboul Ella Hassanien. "**Optimizing topologies in wireless sensor networks: A comparative analysis between the Grey Wolves and the Chicken Swarm Optimization algorithms.**" Computer Networks 163, pp. 106882, 2019.
11. Oweis, N.E., Fouad, M.M., Oweis, S.R., Owais, S.S. and Snasel, V., **A Novel Mapreduce Lift Association Rule Mining Algorithm (MRLAR) for Big Data.** International Journal of Advanced Computer Science & Applications, Vol. 1(7), pp.151-157, 2016.
12. Tharwat, Alaa, Tarek Gaber, Mohamed Mostaf Fouad, Vaclav Snasel, and Aboul Ella Hassanien. "**Towards an Automated Zebrafish-based Toxicity Test Model Using Machine Learning.**" Procedia Computer Science Vol. 65, 2015, pp. 643-651.
13. Fouad, Mohamed Mostafa, Nour E. Oweis, Tarek Gaber, Maamoun Ahmed, and Vaclav Snasel. "**Data Mining and Fusion Techniques for WSNs as a Source of the Big Data.**" Procedia Computer Science, Vol. 65, 2015, pp. 778-786.
14. Mohamed Mostafa Fouad, Vaclav Snasel, and Aboul Ella Hassanien, "**Energy-Aware Sink Node Localization Algorithm for Wireless Sensor Networks,**" International Journal of Distributed Sensor Networks, Vol. 11, Issue 7, Article ID 810356, 2015. doi:10.1155/2015/810356, IF:1.239.
15. Mohamed Mostafa M. Fouad, Nashwa El-Bendary, "**Intelligent detection and control for environmental noise pollution**", American Academic & Scholarly Research Journal (AASRJ), Vol. 5, Number 3 - Special Issue, pp. 272-278., 2013.

Conference Proceedings

1. Mohamed, Sara, Essam El Fakarany, and Mohamed Mostafa Fouad. "Explainable User-Level Mental Health Detection via Hybrid Behavioral and Semantic Modeling." In *2026 IEEE International Conference on Smart Sustainable Systems for Computer and Engineering Applications (3SCEA)*, pp. 188-194. IEEE, 2026.
2. Ali, Laila Badawy, Riham Mohamed Haggag, and Mohamed Mostafa Fouad. "A Probabilistic Framework for Robust Customer Churn Prediction." In *2026 43rd National Radio Science Conference (NRSC)*, pp. 69-77. IEEE, 2026.
3. Mennatullah Mamdouh Eldakhakhni, Marwa Mohamed Abdu Allah, and Mohamed Mostafa Fouad, A Multi-task Learning Framework for Depression Detection and Severity Grading, ICaTAS 2025, Cairo, Egypt.
4. S. T. Abdeen, M. W. Fakhr, N. I. Ghali and M. M. Fouad, "Face Image Synthesis From Speech Using Conditional Generative A Adversarial Network," 2023 40th National Radio Science Conference (NRSC), Giza, Egypt, 2023, pp. 90-101, doi: 10.1109/NRSC58893.2023.10152900.
5. Syed, Ezaz Uddin, Mohsin Masood, Mohamed Mostafa Fouad, and Ivan Glesk. "A modified whale optimization algorithm for enhancing the features selection process in machine learning." In *2021 29th Telecommunications Forum (TELFOR)*, pp. 1-4. IEEE, 2021.

6. Masood, Mohsin, Mohamed Mostafa Fouad, Saleh Seyedzadeh, and Ivan Glesk. "Energy efficient software defined networking algorithm for wireless sensor networks." In 13th International Scientific Conference on Sustainable, Modern and Safe Transport (TRANSCOM 2019). 2019.
7. Masood, Mohsin, Mohamed Mostafa Fouad, and Ivan Glesk. "Pareto Based Bat Algorithm for Multi Objectives Multiple Constraints Optimization in GMPLS Networks." In International Conference on Advanced Machine Learning Technologies and Applications, pp. 33-41. Springer, Cham, 2018.
8. Fouad, Mohamed Mostafa, Tarek Gaber, Maamoun Ahmed, Nour E. Oweis, and Vaclav Snasel. "Big Data Pre-processing Techniques within the Wireless Sensors Networks." In Proceedings of the Second International Afro-European Conference for Industrial Advancement AECIA 2015, pp. 667-677. Springer International Publishing, 2016.
9. Fouad, Mohamed Mostafa, Hossam M. Zawbaa, Tarek Gaber, Vaclav Snasel, and Aboul Ella Hassanien. "A Fish Detection Approach Based on BAT Algorithm." In The 1st International Conference on Advanced Intelligent System and Informatics (AISi2015), November 28-30, 2015, Beni Suef, Egypt, pp. 273-283. Springer International Publishing, 2016.
10. Mohamed Mostafa M. Fouad, Mahmood A. Mahmood , Adham Mohamed, Aboul Ella Hassanien, "Intelligent Road Surface Quality Evaluation Using Rough Mereology", The Hybrid Intelligent Systems (HIS), 2014 14th International Conference on (pp. 18-22). IEEE.
11. Mohamed, Adham, Mohamed Mostafa M. Fouad, Esraa Elhariri, Nashwa El-Bendary, Hossam M. Zawbaa, Mohamed Tahoun, and Aboul Ella Hassanien. "RoadMonitor: An intelligent road surface condition monitoring system." In *Intelligent Systems' 2014*, pp. 377-387. Springer International Publishing, 2015.
12. Mostafa A. Salama, Mohamed Mostafa M. Fouad, Nashwa El-Bendary, Aboul Ella Hassanien, "Mutagenicity analysis based on Rough Set theory and Formal Concept Analysis" , In Recent Advances in Intelligent Informatics, pp. 265-273. Springer International Publishing, 2014.
13. Mohamed Mostafa M. Fouad, Hossam M. Zawbaa, Nashwa El-Bendary, Aboul Ella Hassanien, "Automatic Nile Tilapia Fish Classification Approach using Machine Learning Techniques", In Hybrid Intelligent Systems (HIS), 2013 13th International Conference on, pp. 173-178. IEEE, 2013, Tunis, Tunisia.
14. Ahmed Hamdy, Nashwa El-Bendary, Ashraf Khodeir, Mohamed Mostafa M. Fouad, Aboul Ella Hassanien, and Hesham Hefny., "Cardiac disorders detection approach based on local transfer function classifier", In Computer Science and Information Systems (FedCSIS), 2013 Federated Conference on, pp. 55-61. IEEE, 2013.
15. Ahmed Hamza Asad, Ahmad Taher Azar, Mohamed Mostafa M. Fouad, and Aboul Ella Hassanien. "An improved ant colony system for retinal blood vessel segmentation" In Computer Science and Information Systems (FedCSIS), 2013 Federated Conference on, pp. 199-205. IEEE, 2013.
16. Elhariri, Esraa, Nashwa El-Bendary, Mohamed Mostafa M. Fouad, Jan Platoš, Aboul Ella Hassanien, and Ahmed MM Hussein, "Multi-Class SVM based Classification Approach for Tomato Ripeness", In Innovations in Bio-inspired Computing and Applications, pp. 175-186. Springer International Publishing, 2013.
17. Mohamed Mostafa M. Fouad, Mostafa-Sami M. Mostafa, Ahmed Reda Dawood, "SOPK: Second Opportunity Pairwise Key Scheme for Topology Control Protocols", In the 3rd International Conference on Intelligent Systems Modeling and Simulation (ISMS 2012), Kota Kinabalu, Malaysia, February 2012.
18. Mohamed Mostafa M. Fouad, Mostafa-Sami M. Mostafa, Ahmed Reda Dawood, "A Pairwise Key Pre-distribution Scheme Based on Prior Deployment Knowledge", In the 3rd International

Conference on Computational Intelligence, Communication Systems and Networks (CICSyN'2011), Bali, Indonesia, July 2011, IEEE Computer Society Order Number E4482, BMS Part Number: CFP1181H-CDR, ISBN 978-0-7695-4482-3.

19. Laila Abdullah Esmada, Mostafa Sami M. Mostafa and Mohamed Mostafa M. Fouad , "Performance Evaluation of the IEEE 802.11p Protocol in a VSNET scenario", Journal of American Science 2011 7(11):468-473]. (ISSN: 1545-1003). , 2011.
20. Mohamed Mostafa M. Fouad, Ahmed Reda Dawood, Mostafa-Sami M. Mostafa, "Study of the effects of pairwise key pre-distribution scheme on the performance of a Topology Control Protocol", In Proceedings of the 2nd International Workshop on Mobility in Wireless Sensor Networks (MobiSensor'2011) that held in conjunction with the 7th IEEE International Conference on Distributed Computing in Sensor Systems (DCOSS '2011), Barcelona, Spain, June 2011.
21. Mohamed Mostafa M. Fouad, Ahmed Reda Dawood, Mostafa-Sami M. Mostafa, "Implementation of AI-Tosee, the Editor and an OCL Based Code Generator", in the Proceedings International Conference on Computer Theory and Applications (ICCTA 2005), Alexandria, Egypt.
22. Amira Sayed A. Aziz, Mohamed Mostafa Fouad, Aboul Ella Hassanien," Cloud Computing Forensic Analysis Research and Challenges", in Innovation in Multimedia Forensics and Security: Theory and Practice Book, In Multimedia Forensics and Security, pp. 3-23. Springer International Publishing, 2017.

References

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- **Prof. Tarek Gaber**, Lecturer, Salford University, UK, t.m.a.gaber@salford.ac.uk, tmgaber@gmail.com.
 - **Dr. Mohsin Masood**, Health Data Scientist, Imperial College London, m.masood@imperial.ac.uk.
 - **Prof. Vaclav Snasel**, VSB-Technical University of Ostrava, Czech Republic, vaclav.snasel@vsb.cz