



Associate Prof. : Naglaa Mohamed Reda Taher

The Higher Institute of Computer Science and Information Systems (Fifth Settlement)
Computer Science Department

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Qualifications

Degree	Discipline	Institution	Year
B.Sc.	Faculty of Science	Ain Shams University (Egypt)	1990
M.Sc.	Faculty of Science	Ain Shams University (Egypt)	1998
Ph.D.	Faculty of Science	Ain Shams University (Egypt)	2005

Academic Career:

Year	Position	Institution
Oct. 2023 - Present	Associate Professor, Head of Computer Science Department, Coordinator of Undergraduate Computer Science Program	The Higher Institute of Computer Science and Information Systems (Egypt)
April 2022-Sept. 2023	Associate Professor, Coordinator of Diploma in Computer Science Program	Ain Shams University (Egypt)
Sept. 2012-March 2022	Lecturer	Ain Shams University (Egypt)
Sept. 2011-Aug. 2012	Lecturer	The Higher Institute of Computer Science and Information Systems (Egypt)
Sept. 2008-Aug. 2011	Lecturer	Ain Shams University (Egypt)
Sept. 2007-Aug. 2008	Assistant Professor, Head of Computer Department	Tabuk University (KSA)
Sept. 2006-Aug. 2007	Assistant Professor	Abd El Aziz University (KSA)
Aug. 2005-Oct. 2005	Lecturer	Ain Shams University (Egypt)
May 1998-July 2005	Assistant Lecturer	
Nov. 1990-April 1998	Administrator	

Fields of Interest:

⊕ Parallel Algorithms	⊕ Grid scheduling
⊕ Bioinformatics	⊕ Machine Learning
⊕ Distributed Database	⊕ Object Recognition
⊕ Cloud Computing	⊕ Computer Security
⊕ Multicore/GPU/MPI programming	⊕ Game theory



Selected Publications:

- ⊕ **2024** - A.J. Jalil, E.A. El-Seidy, S.S. Daoud, N.M. Reda, “Modified CNN Model for Classifying Gender of Thermal Images Using Cloud Computing”, *Informatica*, 47(10), January 2024.
- ⊕ **2024** - N.M. Reda, A.J. Jalil, E.A. El Seidy, S.S. Daoud, “Enhanced Surveillance System: Masked Face Re-Identification Using Cloud Computing and Deep Learning”, *International Journal on Technical and Physical Problems of Engineering*, 16(1): 63-72, March 2024.
- ⊕ **2024** - Shimaa Atef, Essam El-Seidy, Naglaa M. Reda, Tit-For-Tat and Win Stay-Lose Shift strategies via memory-two, *Journal of Intelligent & Fuzzy Systems*, 46(4): 8375-8388, April 2024.

- ⊕ **2023** - Alyaa J. Jalil, Essam El-Seidy, Sameh S. Daoud, Naglaa M. Reda, ”CNN Model for Analyzing Masked Facial RGB Images Using Cloud Computing”, *International Journal of Intelligent Systems and Applications in Engineering*, 11(2): 648-654, February 2023.
- ⊕ **2023** - Alyaa J. Jalil, Essam El-Seidy, Sameh S. Daoud, Naglaa M. Reda, ”AESN: A Database of Human Eyes, Noses, and Mouths for Person Identification or Facial Expression Recognition”, *Journal of Basrah Researches (Sciences)*, 49(2):164-170, December 2023. <https://doi.org/10.56714/bjrs.49.2.13>

- ⊕ **2022** - Hatem Mohamed Bahig, Mohamed Aly Mohamed Khalil, Naglaa M. Reda, ”Dictionary Attacks for the Franko-Arabic Password using GPUs”, *International Journal of Scientific & Engineering Research*, 13(1):171-174, January 2022.
- ⊕ **2022** - S. M. Khamis, N. M. Reda, W. Zakaria, ”Combining Range-Suffrage and Sort-Mid Algorithms for Improving Grid Scheduling”, *The Journal of Supercomputing*, 78(2):3072–3090, February 2022. <https://doi.org/10.1007/s11227-021-03984-1>
- ⊕ **2022** - Aliaa J. Jalil, Naglaa M. Reda, ”Infrared Thermal Image Gender Classifier Based on the Deep ResNet Model, *Advances in Human-Computer Interaction*”, New York Vol. 2022, July 2022. <https://doi.org/10.1155/2022/3852054>

- ⊕ **2021** - Salsabeel M. Abd El-Salam, Essam El-Seidy, Naglaa M. Reda, ”Predicting mood behavior of prisoner’s dilemma players, *Journal of Mathematical and Computational Science*”, 11(4):4650-4667, June 2021.

- ⊕ **2020** - Shaimaa Ibrahim, Yasser Abd El-Latif, Naglaa M. Reda, “Fast and Accurate System for Leaf Recognition”, *International Journal of Computer Sciences and Engineering*, 8(8):73-79, August 2020.

- ⊕ **2019** - Shaimaa Ibrahim, Yasser Abd El-Latif, Naglaa M. Reda, ”A Novel Data Dictionary Learning for Leaf Recognition, *Signal & Image Processing*”, *An International Journal*, 10(3): 33-42, June 2019.

- ⊕ **2017** - Mohammed W. Al-Neama, Naglaa M. Reda, Kasim Abduljabbar Al-Salem, “MSAPVect: An improved MSAProbs algorithm for multi-core system”, *Proc. Of 2017 International Conference on Current Research in Computer Science and Information Technology (ICCIT)*, Iraq, 26-27 April 2017.
- ⊕ **2017** - Naglaa M. Reda, *Parallelizing Compilers for Recursive Functions*, LAP LAMBERT Academic Publishing, 21 April 2017.



- ⊕ **2016 - Naglaa M. Reda, A. Tawfik, Mohamed A. Marzok, Soheir M. Khamis, “Range-Suffrage Algorithm for Grid Task Scheduling”, Proc. of the 5th International Conference on “Engineering & Technology, Computer, Basic & Applied Sciences”, (ECBA-16), Istanbul, Turkey, 26-27 January 2016. (Abstract only)**
- ⊕ **2016 - Mohammed W. Al-Neama, Naglaa M. Reda, Fayed F. M. Ghaleb, *A Study of Parallel Algorithms for Multiple Sequence Alignment*, LAP LAMBERT Academic Publishing, 17 May 2016.**
- ⊕ **2016 - Naglaa M. Reda, Mohammed Al-Neama and Fayed F. M. Ghaleb, “HAMSA: Highly Accelerated Multiple Sequence Aligner”, International Journal of Advanced Computer Science and Applications, 7(6):470-473, July 2016.**

- ⊕ **2015 - Naglaa M. Reda, “An Improved Suffrage Meta-Task Scheduling Algorithm in Grid Computing Systems”, International Journal of Advanced Research, 3(10):123-129, November 2015.**
- ⊕ **2015 - Naglaa M. Reda, A. Tawfik, Mohamed A. Marzok, Soheir M. Khamis, “Sort-Mid tasks scheduling algorithm in grid computing”, Journal of Advanced Research, 6(6):987-993, November 2015.**
- ⊕ **2015 - Mohammed W. Al-Neama, Naglaa M. Reda, Fayed F. M. Ghaleb, “Fast Vectorized Distance Matrix Computation for Multiple Sequence Alignment on Multi-cores”, International Journal of Biomathematics, 8(6):1550084:1-15, June 2015.**
- ⊕ **2015 - Naglaa M. Reda, A. Tawfik, Mohamed A. Marzok, Soheir M. Khamis, “Range-Suffrage Algorithm for Grid Task Scheduling”, International Journal of Applied and Physical Sciences, 1(2):42-50, September 2015.**

- ⊕ **2014 - Mohammed W. Al-Neama, Naglaa M. Reda, Fayed F. M. Ghaleb, Accelerated Guide Trees Construction for Multiple Sequence Alignment, International Journal of Advanced Research, 2(4):14-22, April 2014.**
- ⊕ **2014 - Mohammed W. Al-Neama, Naglaa M. Reda, Fayed F. M. Ghaleb, An Improved Distance Matrix Computation Algorithm for Multicore Clusters, BioMed Research International journal at the special issue "High-Performance Computing and Big Data in Omics-based Medicine", June 2014.**

Conferences

- ⊕ The 2nd International Conference on Circuits, Systems, Communications, Computers and Applications, Dubrovnik, Croatia, June **2013**.
- ⊕ The 5th International Conference on Engineering & Technology, Computer, Basic & Applied sciences, Istanbul, Turkey, January **2016**
- ⊕ The 8th International Conference on Mathematics and Information Sciences: Secrets of scientific publication, 6 October, Egypt, February **2019**.
- ⊕ Participate in organizing the 4th International Conference of Arab Impact Factor: International Classification of Arab Journals, 6 October, Egypt, February **2019**.



Completed PhD Thesis Supervision

- ⊕ **Statistical Treatments on Some Model of Games**, Faculty of Science, Ain Shams University, Cairo, Egypt, **2024**.
- ⊕ **Developing Monitoring System based on Cloud Computing**, Faculty of Science, Ain Shams University, Cairo, Egypt, **2023**.
- ⊕ **Developing an Efficient Parallel Leaf Recognition Algorithm**, Faculty of Science, Ain Shams University, Cairo, Egypt, **2021**.
- ⊕ **A Study of Parallel Algorithms for Multiple Sequence Alignment**, Faculty of Science, Al-Azhar University, Cairo, Egypt, **2014**.
- ⊕ **A Model for Open Gate Algorithm vs Heterogeneous Distributed Database Issues**, Faculty of Science, Ain-Shams University, Cairo, Egypt, **2010**.

Completed Master Thesis Supervision

- ⊕ **Task Scheduling Algorithms on Grid Computing Systems**, Faculty of Science, Ain-Shams University, Cairo, Egypt, **2015**.
- ⊕ **Using GPU in cryptanalysis of hash functions**, Faculty of Science, Ain-Shams University, Cairo, Egypt, **2021**.
- ⊕ **Behavior of Strategies in Three-Player Iterated Game**, Faculty of Science, Ain-Shams University, Cairo, Egypt, **2021**.

Workshop Certification



- ⊕ Digital Libraries.
- ⊕ Credit Hours.
- ⊕ International Publication.
- ⊕ Question Banks.
- ⊕ Big Data Analytics and Artificial Intelligence against COVID-19 Opportunity and Challenges.
- ⊕ How to deal with a journal rejection.
- ⊕ Online Learning: Moodle.
- ⊕ Online Learning: Applications of Microsoft Office 365.
- ⊕ اعداد المراجعين الداخليين والخارجيين.
- ⊕ Online Learning: Presentation Skills.
- ⊕ Program/Course Specifications and Assessment of ILOs: Faculties and Institutes of Higher Education
- ⊕ Teaching Strategies and Effective Learning: Faculties and Institutes of Higher Education.

Reviewer and Technical committee

- ⊕ Reviewer in the Springer Netherlands International journal "The Journal of Supercomputing".
Online ISSN: 1573-0484 ISSN-L: 0920-8542
- ⊕ Reviewer in Taylor & Francis International journal "The Imaging Science Journal".
Print ISSN: 1368-2199 Online ISSN: 1743-131X

Membership in Scientific Societies

- ⊕ Member of the Egyptian Mathematical Society