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NAMEER NADHEM EL-EMAM



PERSONAL INFORMATION

Title: Faculty Member in Computer Science and Information Systems Department,
Computer Science Program

Academic Rank: Full Professor

Date & Place of Birth: 20/07/1962

Nationality: Iraq

Address: Amman, Um Al Summaq

Phone No.: +962777489308

e-mail : n.emam@aau.edu.jo

ACADEMIC QUALIFICATIONS

Degree	Major	Duration (From-To)	University	Country
Ph.D.	Computer Science	1993-1997	Basrah University	Iraq
MSc.	Computer Science	1986-1989	Basrah University	Iraq
BSc.	Computer Science	1980-1985	Basrah University	Iraq

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TEACHING EXPERIENCE

Duration	Rank	Institution	Department/Faculty	Country
2023-present	Professor	Amman Arab University	Computer Science/ Computer Sciences and Informatics	Jordan
2016-2023	Professor	Philadelphia University	Computer Science/ Information Technology	Jordan
2010-2016	Associated Professor	Philadelphia University	Computer Science/ Information Technology	Jordan
1998-2002	Assistant Professor	Philadelphia University	Computer & Computer Information Systems / Information Technology	Jordan
2002-2010	Assistant Professor	Philadelphia University	Computer Science/ Information Technology	Jordan
1997-1998	Assistant Professor	Basrah University	Computer Science/ Science Faculty	Iraq
1989-1997	Lecturer	Basrah University	Computer Science/ Science Faculty	Iraq
1989-1985	Assistant researcher	Basrah University	Computer Science/ Science Faculty	Iraq

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OTHER EXPERIENCE

Duration	Rank	Institution	Department/Faculty	Country
2022-2023	Director of Academic and Administrative Development and Training Center	Philadelphia University	Academic and Administrative Development and Training Center	Jordan
2022-2017	Head of Computer Science Department	Philadelphia University	Computer Science Dept. / IT Faculty	Jordan
2020-2022	Head of Cyber Security Department	Philadelphia University	Cyber Security Dept. / IT Faculty	Jordan
2019-2020	Head of Web Engineering Department	Philadelphia University	Web Engineering Dept. / IT Faculty	Jordan
2008-2015, 2016-2019	Deputy Dean of IT Faculty	Philadelphia University	IT Faculty	Jordan
2001-2003	Deputy Dean of Science Faculty	Philadelphia University	Science Faculty	Jordan

PUBLICATIONS

JOURNALS

Author/s (In Order)	Title	Journal	Vol./No.	Publication Date
Hanan H., Ali A., Nameer N.	New Deep Data Hiding and Extraction Algorithm Using Multi-Channel with Multi-Level to Improve Data Security and Payload Capacity,	PeerJ Computer Science	8:e1115	2022
Marwa A., Nameer N., Ali F.	Improved Deep Hiding / Extraction Algorithm to Enhance Payload Capacity and Security Level of Hidden Information,	International Journal of Communication Networks and Information Security (IJCNIS),	Vol. 13 No. 3	2021
Kefaya Q., Nameer N., Mosleh A.	Elastic Neural Network Method for Load Prediction in Cloud Computing Grid,	International Journal of Electrical and Computer Engineering (IJECE)	Vol 9, No. 2	2019
Shadi S., Nameer N.	Modified Multi-Level Steganography to Enhance Data Security	International Journal of Communication Networks and Information Security (IJCNIS),	Vol. 10, No. 3, December	2018
Nameer N., Kefaya Q.	Improved Steganographic Security by Applying an	International Journal of Network Security & Applications (IJNSA)	Vol. 7, No. 5	2015

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	Irregular Image Segmentation and Hybrid Adaptive Neural Networks with Modified Ant Colony Optimization,			
Nameer N., Mofleh A.	A Novel Algorithm for Color Image Steganography Using a New Intelligent Technique Based on Three Phases, New Data-Hiding Algorithm Based on Adaptive Neural Networks with Modified Particle Swarm Optimization	Applied Soft Computing Journal, Elsevier	Vol. 37	2015
Nameer N.	A New Image Steganography Algorithm Based On MLSB Method With Random Pixels Selection,	Computers & Security Journal, Elsevier	Vol. 55,	2015
Odai S., Nameer N.	New Steganography Algorithm to Conceal a Large Amount of Secret Message Using Hybrid Adaptive Neural Networks with Modified Adaptive Genetic Algorithm,	International Journal of Network Security & Its Applications (IJNSA)	Vol. 7, No. 2	2015
Nameer N. Rasheed Z.,		Journal of System and Software, Elsevie,	Vol. 86, No. 6	2013

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Nameer N. Riadh H.	An intelligent computing technique for fluid flow problems using a hybrid adaptive neural network and genetic algorithm.	Applied Soft Computing, 3283–3296, Elsevier,	Vol. 11, No. 4	2011
Nameer N. Riadh H.	Computing an Incompressible Viscous Fluid Flow Using a Neural Network Based on Modified Adaptive Smoothing Errors,	INFORMATION, an International Journal.	Vol. 13, No. 4	2010
Nameer N. Rasheed Z.,	Computing an Adaptive Mesh in Fluid Problems using Neural Networks and Genetic Algorithm with Adaptive Relaxation,	International Journal on Artificial Intelligence Tools (World Scientific)	Vol. 17, No. 6	2008
Nameer N.	Embedding a Large Amount of Information Using High Secure Neural Based Steganography Algorithm,	International Journal of Computer, Electrical, Automation, Control and Information Engineering,	Vol. 2 , No. 11	2008
Nameer N.	Hiding a Large Amount of Data with High Security Using Steganography Algorithm,	Journal of Computer Science,	Vol. 3, No.4	2007
Nameer N.	Reallocation of Mesh Points in Fluid Problems Using Back-Propagation Algorithm.	INFORMATION, an International Journal	Vol. 9, No.1	2006

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Nameer N.	Numerical Study on Element Affecting the False Diffusion Error.,	Basra J. Science	Vol. 16, No. 1,	1998
Nameer N.	MTIDM Algorithm for Solution of a Large System of Linear Equations.	Basra J. Science	Vol. 15, No. 1,	1997
Nameer N, Talib A.	Numerical Studies of Flow over a Backward-Facing Step Using FDM.,	Engineering & Technology Journal	Vol. 10, No. 4	1989

CONFERENCES

Author/s (In Order)	Title	Conference	Country	Date
Nameer N. Riadh .H., Nadia. Y.	Result Behavior in the Numerical Solution for Different Channels Geometric	In Proc. 4th Int. Recent Trends in Computer Science Applications & Information Systems	Jordan	1999
Nameer N. Riadh .H., Nadia. Y.	Computer Simulation of Parallel FEM Using Modified Frontal Technique	In Proc. 3rd Conference of Recent Developments	Jordan	1997
Nameer N. Riadh .H., Nadia. Y.	Time analysis of parallel FE Problem on Multiprocessor System Using	In Proc. 3rd Conference of Recent Developments	Jordan	1997

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Modified
Frontal
Technique

BOOKS

Author/s (In Order)	Title	Publisher	Edition	Date
Kefaya Q., Nameer N.	Soft Computing Techniques Design and Analysis	CRC Press "Taylor & Francis	first	2023
Kefaya Q., Nameer N.	Emerging Trends in the Applications of Soft Computing Techniques	CRC Press "Taylor & Francis	first	2023
Maram B. Y., Nameer N.	Cloud computing assisted real-time health monitoring and tracking,	CRC Press "Taylor & Francis	first	2023
Amro A, Nameer N.,	Information Security and Data Management for IoT Enabled Smart Healthcare,	CRC Press "Taylor & Francis	first	2023
Raneem Q., Nameer N.	Privacy Preservation Tools and Techniques in Artificial Intelligence	CRC Press "Taylor & Francis	first	2021

Maram B. Y., Nameer N	Digital Right Management in Computing Environment,	CRC Press "Taylor & Francis	first	2021
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MEMBERSHIPS OF SCIENTIFIC AND PROFESSIONAL SOCIETIES

- Member of the Queen Rania Center for Entrepreneurship (QRCE).
- Membership in external arbitration committees for academic programs at the College of Information Technology, Sohar University - Sultanate of Oman
- Membership in the external arbitration committees of the Department of Computer Science, University of Applied Sciences - Bahrain
- Membership in the Computer Science Department review committees, University of Kufa, Iraq.
- Membership in university QS ranking committees
- Membership of the Editorial Board of Kufa Journal of Mathematics and Computers - University of Kufa.
- Membership of the editorial board of engineering, computing, science, and technology journals - Asia branch
- Membership in the Editorial Board of the International Journal of Network Security and its Applications (IJNSA).
- Membership of the Advisory Committee of the Basra Journal of Science - Iraq.
- Membership in the editorial board of SCIREA magazine, specializing in computer science. •
- Membership of the Asian Council of Computational Science Editors
- Membership in the Editorial Board of the International Journal of Security and its Applications (IJSIA) (WoS).
- Editor-in-Chief of the International Applied Computing Publisher (ACAA)
- Membership in committees for reviewing and evaluating scientific research for the following journals:
 - IEEE Signal Processing Letters Journal, IEEE, (SCOPUS, ISI, SCI, JCR, ERA).
 - Neural Networks Elsevier (SCOPUS, ISI, SCI, JCR, ERA).
 - ASOC: Applied Soft Computing, Elsevier (SCOPUS, ISI, SCI, JCR, ERA).

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- JSS: The Journal of Systems and Software, Elsevier, (SCOPUS, ISI, SCI, JCR, ERA).
- OPTICS: Optics Communications, Elsevier (SCOPUS, ISI, SCI, JCR, ERA).
- DSP: Digital Signal Processing, Elsevier, (SCOPUS, ISI, SCI, JCR, ERA).
- PR: Pattern Recognition, Elsevier (SCOPUS, ISI, SCI, JCR, ERA).
- JVCI: Journal of Visual Communication and Image Representation, Elsevier, (SCOPUS, ISI, SCI, JCR, ERA).
- Computational Intelligence journal, An International Journal - Blackwell Publisher, USA, (SCOPUS, ISI, SCI, JCR, ERA).
- European Transactions on Telecommunication Journal, John Willey Publisher, USA, (SCOPUS, ISI, SCI, JCR, ERA).
- Computer Engineering & Information Technology Journal, SciTech Publisher, USA, (SCOPUS, ISI, SCI, JCR, ERA).
- JKU-CIS: Journal of King Saud University - Computer and Information Sciences, Elsevier, (SCOPUS, ISI, SCI, JCR, ERA).
- Security and Communication Networks Journal, John Willey Publisher, (SCOPUS, ISI, SCI, JCR, ERA).
- IJLEO: Optik – International Journal for Light and Electron Optics, Elsevier, (SCOPUS, ISI, SCI, JCR, ERA).
- JWS: Journal of Web Semantics, Elsevier, (SCOPUS, ISI, SCI, JCR, ERA).
- Information Security Journal: A Global Perspective, Taylor & Francis Journals, (ACM, CSA, SCOPUS, ERA).
- International Arab Journal Information Technology (IAJIT), (SCOPUS, ISI, SCI, JCR, ERA).
- International Journal of Computers and Applications-ACTA Press / Canada, (SCOPUS, ERA).
- International Journal of Emerging Technologies in Learning (iJET)/ Austria, (SCOPUS, ERA).
 - International Journal of Online Engineering (iJOE) // Austria, (SCOPUS, ERA).
 - International Journal of Interactive Mobile Technologies (iJIM) // Austria, (SCOPUS, ERA).
 - International Journal of Advanced Corporate Learning (iJAC) // Austria, (SCOPUS, ERA).
 - Basra Journal of Science, Basra University / IRAQ., (SCOPUS).

• **Membership in scientific Organizations:**

- ACM Computer Society Members.
- IEEE Computer Society Members.

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- World Federation on Soft Computing (WFSC).
- Iraqi Society for Computer Science (ISCS).

UNIVERSITY COMMITTEES

- Chairman of the Quality Assurance Committee, College of Information Technology, Philadelphia University (2008-2023).
- Chairman of the Accreditation Committee for the College of Information Technology, Philadelphia University (2011-2023).
- Chairman of the Scientific Committee of the Computer Science Department - Philadelphia University (2007-2023).
- Chairman of the Graduate Studies Committee at the College of Information Technology, Philadelphia University (2007-2023).
- Chairman of the Study Plan Committee at the College of Information Technology, Philadelphia University (2003-2023).
- Chairman of the Website Committee at the College of Information Technology, Philadelphia University (2008-2023).
- Chairman of the Research Projects Committee at the College of Information Technology, Philadelphia University (2003-2006).
- Chairman of the Academic Schedule Committee at the College of Information Technology, Philadelphia University (2000-2004; 2008-2023).
- Member of the Expert Committee for Quality Assurance Certification at Philadelphia University (2018-2023)
- Member of the Philadelphia University Website Committee (2008-2023).
- Member of the Curriculum Development Committee at the College of Information Technology, Philadelphia University (2002-2003; 2007-2023).
- Chairman of the Curriculum Development Committee, Department of Computer Science, Philadelphia University (2002-2003; 2007-2023).
- Chairman of the Faculty Appointment Committee at the College of Information Technology, Philadelphia University (2011-2022).
- Chairman of the Examinations Committee at the University of Basra (1990-1997).

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- **Member of the Scientific Committee at the University of Basra (1996-1997).**
- **Member of the University's Quality Assurance Accreditation Committee from 2018-2023.**
- **Chairman of the Evidence Committee for Quality Assurance Accreditation for the College of Information Technology 2017-2023.**
- **Membership in steering and PC committees of conferences (sample of conferences 2020-2023):**

AEECA2023 , AEECA2022, ICSCT 2023, TOCS2023, NetCIT2022, AIAP 2022, MESM'20, ICCSIE2022, ICCSIE 2022, NLCA 2022, ICITSC2022, EECS2022, ISCCN 2022, CIoT 2020, CCCIOT 2020, AEECA 2020, TOCS2020, APCEI 2020, acsty2020

WORKSHOPS ATTENDED

- **Teaching methods**
- **Project management held under the auspices of the UNESCO office in Cairo and experts from South Africa**
- **ABET accreditation**
- **National Qualifications Framework**
- **Machine and deep learning through Professor Andrew Ng's seminar series.**

- A course in using ready-made applications in data science and artificial intelligence, such as (Orange, KNIME, and SPSS).

WORKSHOPS OFFERED

- **40 courses were supervised in a number of fields (administrative, scientific and educational) through the management of the Academic and Administrative Development and Training Center.**
- **A sample of invitations as a speaker in a number of conferences and workshops, including:**
 - Elsevier Reviewer Reception, San Antonio, Texas, USA, March (2015).
 - Keynote Speaker and TPC Member of the International Conference on Computer Science and Information Engineering, Ningbo, China, October, (2015).
 - Keynote Speaker and TPC Member of the International Conference on Social Science and Human Development (SSHD2016), Shenzhen, China, July, (2016).
 - Keynote Speaker and TPC Member of the International Conference on Artificial Intelligence Science and Technology [AIST2016] July, (2016), Shanghai, China.

RESEARCH INTERESTS

- Developing algorithms in information security and cybersecurity
- Developing algorithms in machine learning and deep learning
- Development of optimization algorithms based on ACO, GA, PSO, ANN
- Modeling and simulation using adaptive techniques.
- Image Processing

LANGUAGES

- Arabic
- English

OTHER COMMUNITY ACTIVITIES

Member of the following international professional groups:

- Cloud Computing.
- Information Security Network.
- Mobile App Design, Development & Promotion (Android, iPhone).
- Python Community.
- Simulation-Driven Engineering.
- Algorithmic Trading.
- Cloud Security Alliance.
- .Net Professionals.
- Computer Vision and Pattern Recognition.
- Data Hiding.
- Developer Tech - HTML5, Android, iOS, Windows, Java, BlackBerry, Developers.
- Event Planning & Event Management - the 1st Group for Event Professionals.

- Information Security Community.
- IT Core Infrastructure.
- Java Developers.
- Microsoft Developers.
- " HORIZON 2020 " Framework Program for Research & Innovation.
- Elsevier Computer Science.

AWARDS RECEIVED

- Excellence in Teaching Award 1996-1997 from the University of Basra.
- Excellence in Teaching Award 2000-2001 from Philadelphia University.
- Al Hussein Award for Excellence by British Quality Standards 2003.
- Thirty certificates of excellence and distinguished performance were issued by the publisher Elsevier after completing a review of 150 papers for several of the publisher's scientific journals.
- Several certificates of excellence in participation within program committees and Steering committees for many international conferences.

GRADUATE STUDENTS SUPERVISION

Student Name	Thesis Title
Odai Shatnawi	A New Image Steganography Algorithm Based On MLSB Method With Random Pixels Selection
Shadi Al Shara	Modified Multi-Level Steganography to Enhance Data Security
Marwa Ahmed	Improved Deep Hiding / Extraction Algorithm to Enhance Payload Capacity and Security Level of Hidden Information,
Mohammad Al Laham	Data Hiding and Extraction Using Pseudo-Random Generation and Cover Image Replication

REFERENCES
