GEORGE KARRAZ

I. PERSONAL INFORMATION

Nationality	Syrian
Date of Birth	April 5th , 1977
Place of Birth	Damascus-Syria
Marital Status	Married

II. CONTACT INFORMATION

Phone	**Mobile** (+963) 999-562575 / **Home** (+963)11-6809662
E-mail	george.karraz@damascusuniversity.edu.sy dr.george.karraz@gmail.com

III. SCIENTIFIC LINKS

Google Scholar	https://scholar.google.com/citations?user=KnOpzVgAAAAJ&hl=en
Research Gate	https://www.researchgate.net/profile/George-Karraz
ORCID	George Karraz (0000-0002-5739-2338) - ORCID

IV. EDUCATION

Ph.D.	Bioinformatics, University of Pavia-Italy, March 30, 2007
Master	Biomedical Engineering, Damascus University, Syria, Nov. 12, 2002
Bachelor	Biomedical Engineering, Damascus University, Syria, Aug. 17, 2000

V. WORK EXPERIENCE

No	Place	Position	Period
1.	Department of Artificial Intelligence & Natural Languages Processing, Faculty of Information Technology Engineering, Damascus University, Damascus, Syria	Professor	From May 30, 2024
		Associate Professor	From Nov. 25, 2018, May. 30, 2024
		Assistant Professor	From Apr. 30, 2009, to Nov. 25, 2018.
		Head of Department	From Sep. 1, 2015, to Sep. 1, 2018.
2.	Faculty of Engineering, Al-Sham Private University, Damascus, Syria	Dean	From Aug. 25, 2018, to Sep. 1, 2022.
		Lecturer	From Sep. 1, 2022, to date.

3.	Syrian Virtual University BIT & MWS Programs	Lecturer	From Sep. 1, 2010, to date.
4.	AL- Rasheed Private University, Damascus, Syria	Consultant of Rector	From Oct. 1, 2016, to Aug. 25, 2018.
5.	Faculty of Informatics & Computer Engineering, Syrian Private University, Damascus, Syria.	Lecturer	From Oct. 1, 2015, to Sep. 30, 2017.
6.	Faculty of Informatics, Arab International Private University, Damascus, Syria.	Lecturer	From Oct. 1, 2013, to Sep. 9, 2015.
7.	Faculty of Informatics, Yarmouk Private University Damascus, Syria.	Lecturer	From Sep. 1, 2012, to Aug. 30, 2013.
8.	Brain Research Center, Ministry of Higher Education, Damascus, Syria.	Member of Establishment Committee	From Sep. 1, 2009, to Sep. 1, 2011.
9.	Health Sector Modernization Project, sponsored by EU and WHO, Ministry of Health, Syria.	Head of Follow-up Committee	From Jun 25, 2007, to Aug. 30, 2011.

VI.	TEACHING EXPERIENCE
1.	Computer Vision. https://zenodo.org/record/7824055
2.	Machine Learning. https://zenodo.org/record/7967353
3.	Introduction to Artificial Intelligence. https://zenodo.org/record/7698386
4.	Database. https://zenodo.org/record/7698347
5.	Deep Learning.
6.	Data Mining.
7.	Robotics.
8.	Neural Networks.
9.	Search Algorithms in AI.
10.	Programming Languages.
11.	E-Business.
12.	Software Engineering (I).
13.	Expert Systems.
14.	Digital Image Processing.
15.	Digital Signal Processing.
16.	Multimedia.

17.	Computer Graphics.
18.	Scientific supervisor on ten master theses and two doctoral theses.

VII.	**P**UBLICATIONS

VIII.	**I. I**NTERNAL
1.	**George Karraz**, "A Convolutional Neural Network Framework to Detect COVID-19 Disease in Computerized Tomography Images", *Damascus University Journal for the Basic Sciences, Syria*, Accepted Nov. 6, 2023.
2.	**George Karraz**, "Develop an Intelligent Anomaly Intrusion Detection System in Computer Networks based on Resilient Back-propagation Neural Network", *Damascus University Journal for the Basic Sciences, Syria*, Accepted Nov. 6, 2023.
3.	Dr. **George Karraz**, Dr. Waseem Alhasan and Weaam Abo Shadeed "The Effect of Health Information Systems on the Administrative and Medical Performance in the Higher Educational Ministry Hospitals": The Case Study of Al-Mouwasah University Hospital in Damascus, *Tishreen University Journal of Eng. Sciences Series - Lattakia- Syria*, Aug. 27, 2021, ISSN: 2079-3081, vol. 43, no. 4, pp. 455-472. DOI: https://zenodo.org/record/7698484
4.	Dr. Rzek Ghanem, Dr, Chehada Moussa and Dr. **George Karraz**, "Effectiveness of Cloud Computing in Education", *Journal of AL Baath University, Homs, Syria*, 2019, vol.41, no.38, pp. 49-71. DOI: https://zenodo.org/record/7967435
5.	Sonia Jalgha, **George Karraz** and Ali Aji, "Estimation of Porosity using Artificial Neural Networks in Sazaba Oil Fields", *Journal of Basic Science, Damascus University, Syria*, Sep 8, 2019, vol. 61, no. 2, 19 pages, DOI: https://zenodo.org/record/7698234
6.	**George Karraz**, "A Novel Technique to Predict and Detect Lung Cancer in the Computerized Tomography Images", *Journal of AL Baath University, Homs, Syria*, 2019, vol.41, no.26, pp.135-155. DOI: https://zenodo.org/record/7967400
7.	George Karraz, "Intelligent System to Reduce Size and Time of Video Display", *Tishreen University Journal for Research and Scientific Studies, Lattakia, Syria*, Aug 9, 2018, ISSN: 2079-3081, vol. 40, no: 4, pp. 31-47. DOI: https://zenodo.org/record/7698443
8.	**George Karraz**, "An Expert System for the ECG Automatic Analysis", Thesis Review, *5th Annual Conference of the Faculty of Medicine, Damascus University*, *Syria*, Apr. 1 -3, 2010, pp. 26- 29. DOI: https://zenodo.org/record/7698514

VII.II. **E**XTERNAL	
9.	**George Karraz**, An Intelligent System to Analyze the Functional Magnetic Resonance Imaging fMRI, *International Journal of Innovative Science and Research Technology*, Feb. 8, 2023, vol.8, no.1, pp. 1672-1681, DOI: https://zenodo.org/record/7814289
10.	Rawan Abo Zidan and **George Karraz**, "Gaussian Pyramid for Nonlinear Support Vector Machine", *Applied Computational Intelligence and Soft Computing, Hindawi*, May 31th, 2022, vol.2022, 9 pages, DOI: https://www.hindawi.com/journals/acisc/2022/5255346
11.	**George Karraz**, "Effect of Adaptive Line Enhancement Filters on Noise Cancellation in ECG Signals", *Serbian Journal of Electrical Engineering*, Oct. 2021.vol. 18, no. 3, pp. 291-302, DOI: https://www.10.2298/SJEE2103291K
12.	Haneen Shhadeh, Wesam Bachir and **George Karraz**, "A Sensitive Fibre Optic Probe for Autofluorescence Spectroscopy of Oral Tongue Cancer: Monte Carlo Simulation

	Study", *International Journal of BioMed Research, Hindawi*, Apr. 8, 2020, vol. 2020, 11 pages, DOI: https://www.hindawi.com/journals/bmri/2020/1936570.
13.	Kawthar M. K. Alghourani, Wesam Bachir and **George Karraz**, "Effect of Absorption and Scattering on Fluorescence of Buried Tumours", *Journal of Spectroscopy, Hindawi*, March 19, 2020, 7 pages, DOI: https://www.hindawi.com/journals/jspec/2020/8730471
14.	**Karraz, G** and Magenes, G, "Automatic Classification of Heartbeats using Neural Network Classifier based on a Bayesian Framework", *Proceedings of the 28th IEEE, EMBS Annual International Conference New York City, USA*, Aug. 30 –Sept. 3, 2006. pp. 4016-4019, DOI: https://ieeexplore.ieee.org/document/4462680

VIII. BOOKS	
1.	Introduction to Artificial Intelligence, Al-Sham Private University, Damascus,2021 DOI: https://zenodo.org/record/7698386
2.	Database I, Al-Sham Private University, Damascus, Syria, 2022. DOI: https://zenodo.org/record/7698347

IX. CONFERENCES, PRESENTATIONS	
1.	The 1st Conference on Information Technology Engineering, Faculty of Information Technology Engineering, Damascus University, Damascus, Syria, Reviewer of Artificial Intelligence Research manuscripts, Oct. 8 -9, 2022.
2.	The 2nd International Conference, Faculty of Dentistry, Al-Sham Private University, Syria, May 21, 2022.
3.	The 1st International Conference, Faculty of Pharmacy, Al-Sham Private University, Damascus, Syria, Nov. 13, 2021.
4.	The 1st International Conference, Faculty of Dentistry, Al-Sham Private University, Syria, May 22, 2021.
5.	The 1st National Conference on Robotics, Faculty of Informatics Engineering, Al-Sham Private University, Syria, Conference Chairman, March 17, 2019.
6.	The International Conference on Intelligent Computing and Remote Sensing (ICICRS), IEEE, Location: Bhubaneswar, India, Technical Papers Reviewer, July 19-20, 2019.
7.	The International Arab Conference on Information Technology, AL-Zarqa University, Jordan, Lecturer, "Breast Cancer Prediction using Deep Learning Techniques", Apr. 25-27 , 2012.
8.	The 5th Annual Conference, Faculty of Medicine, Damascus University, Damascus, Syria, Lecturer, "The Best Methods to Analyze the Electroencephalography Signal (EEG)", Apr. 1-3, 2010.
9.	The 4th Annual Conference of TEMPUS program in Syria, Ministry of Higher Education, Feb. 11, 2010.
10.	The 1st Workshop of Health Research Program, Ministry of Health, Syria, Lecturer, "Scientific Research Methodologies", Feb. 10 -11, 2008.
11.	The 2nd Workshop of Health Research Program, Ministry of Health, Syria, Lecturer, "Medical Statistics", Aug. 24 -28 , 2008.
12.	*The 28th* EMBS Annual International Conference, IEEE, New York City, USA, Aug. 30–Sep. 3, 2006.

13.	The 2nd National Conference of Biomedical Engineering, University of Padova, Bressanone, Italy, Sep. 18 -21, 2003.

X. LANGUAGES	
1.	**Arabic:** Native language.
2.	**English:** Advanced level in listening, speaking, reading, and writing.
3.	**Italian:** Advanced level in listening, speaking, reading, and writing.
4.	**Spanish:** Good level in listening, speaking.
5.	**French:** Good level in listening, speaking.

XI. COMPUTER SKILLS	
1.	**Programming:** C++, C#, Java, SQL, Python, MATLAB.
2.	**Applications:** MS Office, MS Project, Photoshop, SPSS, EPI-Info, Orange, Weka.