Curriculum Vitae

Associate Professor Dr. Hasan Kareem Abdulrahman

Personal Information

Sir name	Abdulrahman	First Name:	Hasan
Date of birthday	04 /01 /1968	Country of birth:	Baghdad
Address	Iraq, Kirkuk Home no. 118 Postal code 36001	Mobile No. in Iraq	+964 77 30 501 501
		Mobile No. in France	+33 609 231 927

Certificate: Post- doctoral from University of Montpellier /6 month at **France in 2024.**
Certificate: PhD in Computer Science / University of Montpellier / **France 2017**.
Title: Associate Professor
General jurisdiction: Computer Science
Subspecialty: Image processing in Artificial intelligence, and Information security
Workplace: Technical Institute of Kirkuk /Northern Technical University-Iraq
 Email: hasan.abdulrahman@ntu.edu.iq
 Email: hkaljaf@gmail.com
 Email: hkaljaf@yahoo.com

<u>**Google Scholar**</u>: **Citations: 202, H-index: 6, IEEE Memberships France Section #9381840.**
 Personal website: https://hkaljaf.wixsite.com/hasanabdulrahman
 Google Scholar: https://scholar.google.com/citations?user=GqK6XS8AAAAJ&hl=en&oi=ao
 Web of Science: https://www.webofscience.com/wos/author/record/D-9976-2019
 Scopus: https://www.scopus.com/authid/detail.uri?authorId=57105316900
 ORCID ID: https://orcid.org/0000-0001-5864-9898
 ResearchGate: https://www.researchgate.net/profile/Hassan-Abdulrahman
 LinkedIn: https://www.linkedin.com/in/dr-hasan-abdulrahman-992a38316/

Scientific certificates
- **Post-Doc. in Computer Science** / University of Montpellier / **France - 2024**.
- **PhD in Computer Science** / University of Montpellier / **France -2017**.
- **Master of Science in Computer Science** / University of Technology / Baghdad / **Iraq -2005**.
- **BSc.** of Science in Computer Science / Al-Mustansiriya University / Baghdad / **Iraq - 1992**.

Research areas

- Digital Images Processing, Automation Robotics.
- Deep learning, pattern recognition, Artificial Neural Networks.
- Steganography – Steganalysis – Cybersecurity.
  Programming in the programming languages: Matlab - Java - Python - Oracle database, Kali Linux.

Academic experience

-Head of the Department of Computer Systems Technologies / Technical Institute of Kirkuk **(until now)**
-Head of the Department of Computer Systems Technologies (2019 - 2022)-
-Associate Dean for Student Affairs/ Technical Institute of Kirkuk 2022-2022
-Director of the Cyber Security Academy EC-Council's Academia Partner
-Member of the Committee of Experts for the Courses System
-Member of the Committee of Disseminating and Implementation of Courses System
- Member of the Committee Implementation Government Program in the University
- Associate Dean Administrative and Financial Affairs/ (2009 – 2013).

Plans for the future at the university

- Establishing an artificial intelligence and robotics laboratory for
- Establishing a Cybersecurity laboratory. This plan was done in 2022.

International Society for Robotics

- Qs Judge for the Reimagine Education - **London 2025**
- Chairman Jury of Innovation Competition Vex World Robotics Championship –**2025**
- Qs Judge for the Reimagine Education - **London 2024**
- Chairman Jury of Innovation Competition Hechnoxian World Robotics Championship – **India 2024**
- Chairman Jury of Innovation Competition in Arab Robotics Championship – **Jordan 2024**
- Vice Chairman Jury of Ibtikar Innovation Competition in Arab Robotics Championship -**Qatar 2023**
- Chairman of the jury of the National Robotics Championship - Iraq 2023
- Member of the Jury of the Ibtikar Competition at the Arab Robotics - **Egypt 2022**
- Chairman of the jury of the National Robotics Championship - **Iraq 2022**
- Memberships of Arab Society for Robotics and Artificial Intelligence- **Jordan** (2022-until now).
- Chairman of the jury of the National Robotics Championship – Iraq 2019

Reviewer for Journals

IEEE TRANSACTIONS ON CIRCUITS AND SYSTEMS FOR VIDEO TECHNOLOGY	**Q1 Journal.**
IEEE TRANSACTIONS ON INFORMATION FORENSICS AND SECURITY	**Q1 Journal.**
IEEE TRANSACTIONS ON SIGNAL AND INFORMATION PROCESSING	**Q1 Journal**
INTERNATIONAL JOURNAL OF DISTRIBUTED SENSOR NETWORKS	**Q2 Journal**

Languages

English – TOEFL-612,
French – DELF-B2,
Arabic mother language,
Kurdish mother language.

Publications research

Hasan Abdulrahman " Efficient Palm Print Method for Personal Recognition in Security Applications", International Journal of Trend in Research and Development, Volume 10, Issue 6, ISSN NO: 2394-9333, Published in **2023.**

Hasan Abdulrahman " Authentication System Based Palm-print Recognition Using Simple Structured Neural Network", Asian Journal of Convergence in Technology, Volume VIII and Issue II, ISSN NO: 2350-1146 I.F-5.11, Published in **2022.**

Hasan Abdulrahman, Amel Tuama, Hajar Mujeeb " Image Quality Enhancement Taken by Multiple Cameras for Pedestrians Monitoring", Journal NeuroQuantology, Volume20, Issue8, doi:10.14704/nq.2022.20.8. Q44463, page 4284-4293, Published in **2022.**

Hasan Abdulrahman, "Object Boundary Tracking In Moving Palm Image For Personal Identification", Journal of Positive Sciences (JPS), Issue (12), Volume (2022), Issue DOI: doi.org/10.52688/12, 2022.

Hasan Abdulrahman " Steganography Information Retrieval Mechanism Using Deep Neural Network", Asian Journal of Convergence in Technology,Volume VIII and Issue I, ISSN NO: 2350-1146 I.F-5.11, Published in **2022.**

Hasan Abdulrahman, Amel Tuama, Baptiste Magnier "Integrated convolutional neural network model with statistical moments layer for vehicle classification", Twelfth International Conference on Machine Vision (ICMV 2019) 11433, 1143324, Published in SPIE Book, **Amsterdam, Netherland**, **2020**.

Hasan Abdulrahman و Behrang MORADI,and Baptiste Magnier " A New Normalized Method of Object Shape-based Recognition and Localization", 10th International Conference on Pattern Recognition Systems 8-10 July 2019, **Tours, France. 2019**

Hasan Abdulrahman,and Baptiste Magnier "Framework to Building A New Ground Truth Image Database: for Segmentation and Evaluation", 2 nd World Conference on Robotics and Artificial Intelligence (WCRAI-2019), held during June 10-12, 2019 at **Osaka, Japan 2019**.

Hasan Abdulrahman,and Baptiste Magnier "A Study of Measures for Contour-based Recognition and Localization of Known Objects in Digital Images",2018 Eighth International Conference on Image Processing Theory, Tools and Applications (IPTA), on November 7-10, 2018, in **Xi'an, China**, **2018**.

Hasan Abdulrahman, Baptiste Magnier, and Philippe Montesinos, "A review of supervised edge detection evaluation methods and an objective comparison of filtering gradient computations using hysteresis thresholds", Open access Journal, **Journal of Imaging**, Chief Editor: Vaclav Skala, Volume: 4, No.6, Published in **2018**.

Hasan Abdulrahman, Baptiste Magnier, and Philippe Montesinos, "From Contours to Ground Truth: How to Evaluate Edge Detectors by Filtering", Open access journal, **Journal of WSCG**, Chief Editor: Vaclav Skala, Volume: 25, No.1-2, pages 133-142, ISSN: 1213-6972, ISBN: 978-80-86943-43-5.pdf. Published in **2017**.

Hasan Abdulrahman, Baptiste Magnier, and Philippe Montesinos, "A New Objective Supervised Edge Detection Assessment using Hysteresis Thresholds", First International Workshop on Brain-Inspired Computer Vision (WBICV2017), which will be held as part of the conference, ICIAP2017, http://wbicv2017.ai.edu.mt/, 11 pages, **Catania, Italy, 11 - 13 September, 2017**.

Baptiste Magnier, Hasan Abdulrahman, and Philippe Montesinos, "Détection de coins par combinaison de filtres asyétriques orientés", GRETSI' 2017, The 25th edition on Signal Processing Conference, http://gretsi.fr/colloque2017/2016/10/bienvenue-au-gretsi-2017/, **Juan-les-Pins, France, 5 – 8 September, 2017**

Hasan Abdulrahman, Baptiste Magnier, and Philippe Montesinos, "Oriented Asymmetric Kernels for Corner Detection", EUSIPCO' 2017, 25th European Signal Processing Conference, http://www.eusipco2017.org, **Kos island, Greece, 28 August - 2 September, 2017**

Hasan Abdulrahman, Baptiste Magnier, and Philippe Montesinos, "From Contours to Ground Truth: How to Evaluate Edge Detectors by Filtering". The 25th International Conference in Central Europe on Computer Graphics, Visualization and Computer Vision (WSCG 2017), http://www.wscg.cz, 10 pages, Accepted for oral presentation. **Selected as one of the best papers in the conference WSCG2017**. **Pilsen, Czech Republic, May 29 - June 2, 2017**.

Hasan Abdulrahman, Baptiste Magnier, and Philippe Montesinos, "A New Normalized Supervised Edge Detection Evaluation", IbPRIA 2017, 8th Iberian International Conference on Pattern Recognition and Image Analysis, http://www.ibpria.org/2017/, 10 pages, LNCS 10255, pp. 203-213, DOI: 10.1007/978-3-319-58838-4_23. **Faro, Portugal, June 20-23, 2017.**

Hasan Abadulrahman, Marc Chaumont, Philippe Montesinos and Baptiste Magnier, "Color Images Stegananalysis Using RGB Channel Geometric Transformation Measures", **Wiley Journal on Security and Communication Networks (SCN)** - Special Issue on Cyber Crime, http://onlinelibrary.wiley.com/doi/10.1002/sec.1427/abstract/, Edited By: Hsiao-Hwa Chen and Hamid R. Sharif, Guest Editors: Wojciech Mazurczyk, Krzysztof Szczypiorski, Zoran Duric, Dengpan Ye, Wuhan University, extended paper of IWCC, 12 pages, ISSN 1939-0122, DOI 10.1002/sec.1427, 2016

Hasan Abdulrahman, Marc Chaumont, Philippe Montesinos, and Baptiste Magnier, "Color Image Steganalysis Based on Steerable Gaussian Filters Bank," IH&MMSec'2016, in Proceedings of the 4th ACM workshop on Information Hiding and Multimedia Security, http://ihmmsec.org/program/, Vigo, **Galicia, Spain, 6 pages, June 20-22, 2016.**

Hasan Abadulrahman, Marc Chaumont, Philippe Montesinos, and Baptiste Magnier. "Color Image Steganalysis using Correlations between RGB Channels", IWCC2015, The 4th International Workshop on Cyber Crime, http://stegano.net/IWCC2015. **Toulouse, France, 2015.**