

د. خضر حيات

أستاذ مشارك

العلوم الرياضية والفيزيائية ـ شعبة علوم الحاسوب

كلية العلوم والآداب

جامعة نزوى، سلطنة عمان

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محول: 297

البريد الإلكتروني: khizar.hayat@unizwa.edu.om

موقع المكتب: 30 - 11G

يعمل في الجامعة: منذ 2013

الحالة الاجتماعية: .....

حصل على درجة الدكتوراه في علوم الحاسوب في عام 2009 م ، من جامعة مونتبيلير ـ فرنسا ، وعلى درجة الماجستير في علوم الحاسوب في عام 2004م، من جامعة .محمد علي جناح كراتشي ـباكستان، كما حصل على درجة بكالوريوس علوم في علم المجموعات في عام 1991 من جامعة بيشاور ـ باكستان أما اهتماماته البحثية فتقع في معالجة الصور الرقمية وإخفاء المعلومات

Dr- Khizar UoN CV.pdf

المؤهلات الأكاديمية

PhD in Computer Science، University of Montpellier, France، 2009، Scalable 3D Visualization via Synchronous Data Hiding

Masters، University of Montpellier, France، 2006، Wavelet based data hiding of DEM in the context of real-time 3D visualization

MS (Major in Computer Science)، Muhammad Ali Jinnah University, Karachi, Pakistan (now Capital University Islamabad)، 2004، Investigation of the inherent robustness of PNG images for LSB steganography and role of binary Golay code in enhancing the robustness

أنشطة التدريس

MSc/PhD Teaching (with frequency):، 1) Cryptography and Network Security (5 times), 2) Data Science Essentials (>4), 3) Advanced Algorithm Design and Analysis (>6) 4) Advanced Digital Image Processing (>6), 5) Emerging Trends in Data Science (>6), 6) Research Methods (>2), 7) (Multimedia Security (>2

Undergraduate Teaching (with frequency)، 1) Design and Analysis of Algorithm (>4), 2) Introduction to Algorithms and Programming (>8) 3) Introduction to Cryptography (>2), 4) Object Oriented Programming (>3), 5) Introduction to Databases (>2), 6) Finite automata and Computation theory (>5), 7) Discrete Structures/Mathematics (>3), 8) Digital Logic and Design (>3), 9) Computer Skills (>10), 10) Numerical Methods in Computing (>3), 11) Digital Image (Processing (>2

الأنشطة البحثية

الاهتمامات البحثية ـ

Image Processing

Information Hiding, Watermarking and Steganography

Data Science/Analytics

Theoretical Computer Science

Machine Learning Engineering

العرض في المؤتمرات ـ

Straightforward adaptation of particle filter to fish eye images for top view pedestrian tracking، IEEE International Conference on Acoustics, Speech and Signal Processing, ICASSP 2024، Seoul, Korea، 14/04/2024

My ORCID page has all the information on publications as well as links to Scopus, Google Scholar, Clarivate etc.، https://orcid.org/my-orcid?orcid=0000-0001-5216-6019، 08/09/2013

حضور المؤتمرات ـ

My website has all the information on publications as well as links to Scopus, Google Scholar, Clarivate etc.، https://khizarhayat.org، 08/09/2013

المنشورات ـ

مقال:

1. Data Leakage and Deceptive Performance: A Critical Examination of Credit Card Fraud Detection Methodologies، K. Hayat and B. Magnier, Mathematics, vol.13(16) :2563 2025

2. Faked Speech Detection with Zero Prior Knowledge، S. Al Ajmi, K. Hayat, A. Al Obaidi, N. (Kumar, M. Salim and B. Magnier, Discover Applied Sciences, vol. 6 (288 2024

3. Revisiting Mehrotra and Nichani`s Corner Detection Method for Improvement with Truncated Anisotropic Gaussian Filtering، B. Magnier and K. Hayat, Sensors vol. 23(20):8653 2023

4. Seamless Copy–Move Replication in Digital Images، T. Qazi, M. Ali, K. Hayat and B. Magnier, J. Imaging, vol. 8(3):69 2022

5. Human Tracking in Top-view Fisheye Images: Analysis of Familiar Similarity Measures via HOG and against various Color Spaces، H. Talaoubrid, M. Vert, K. Hayat and B. Magnier, J. Imaging, vol. 8(4):115 2022

6. Multimedia super-resolution via deep learning: A survey، K. Hayat, Digital Signal Processing, vol. 18, pp 198-217 2018

7. Forgery Detection in Digital Images via Discrete Wavelet and Discrete Cosine Transforms، 2017
K. Hayat, and T. Qazi, Computers and Electrical Engineering, vol. 62, no. C, pp 448 – 458

8. The Optical Character Recognition of Urdu-like Cursive Scripts، S. Naz, K. Hayat, I. Razzak, 2014
M. W. Anwar, S.A. Madani and S.U. Khan, Pattern Recognition, vol. 47, no. 3, pp 1229-1248

9. Curvelet Based Offline Analysis of SEM Images، 11. S. H. Shirazi, N. Haq, K. Hayat, S. Naz 2014
and I. Haq, PLoS ONE vol 9, no. 8: e103942

10. Scalable 3D Terrain Visualization through Reversible JPEG2000-Based Blind Data Hiding، 2008
K. Hayat, W. Puech and G. Gesquière, IEEE Trans. Multimedia, volume 10, no. 7, pp. 1261-1276

11. Above are selected publications: For the rest of the publications visit my ORCID page، 2008
(.(also has links to my Scopus, Google Scholar, Clarivate etc

الخبرة الإدارية

Head Department of Mathematical and Physical Sciences (DMPS-CAS) - University of :2022 - 2018
Nizwa
Headed a department with 14 undergraduate and graduate programs in Computer Science, Mathematics, Physics and Statistics; Developing and Starting MSc Mathematics and Computer Science Program

College Quality Management Officer - University of Nizwa :2021 - 2017
Spearheading OAAA accreditation documentation of about 50 programs

Head of Computer Science (DMPS-CAS) - University of Nizwa :2023 - 2014
Approval and Start of MSc Computer Science program, Review of all CS syllabi

HoD Computer Science - COMSATS University Abbottabad :2013 - 2012

خدمة المجتمع

:19/03/2025 • Area Editor Signal Processing: Image Communication (SPIC), Elsevier.

:18/03/2025 Associate Editor IEEE Transactions on Dependable & Secure Computing (TDSC).

:01/01/2022 Guest Editor Sensors (MDPI) Special issue on Digital Image Processing

:01/01/2020 Academic Editor Security and Communication Networks, Wiley

الأنشطة الاستشارية

Reviewer، TRC، The Research Council of Oman

PhD Examiner/Reporter at various International Universities ، 1) University of Montpellier, France.
.2)Anna University, Chennai, India

REFEREE for funded projects review for ICT/R&D and HEC, Pakistan

Peer Reviewer of journals of international repute, including: 1. IEEE Trans. Neural Networks & Learning Systems (TNNLS) 2. Pattern Recognition 3. Journal of Signal Processing: Image Communication- Elsevier 4. EURASIP Journal on Advances in Signal Processing 5. Multimedia Tools and Applications 6. Computer Systems and Engineering 7. Journal of Supercomputing 8. IEEE Trans. Multimedia (ToMM) 9. IEEE Trans. Image Processing (TIP) 10. Journal of Parallel and Distributed Computing - Elsevier 11. Journal of Electronic Imaging - IS&T and SPIE

.Reviewer IEEE ICASSP 2024, ICET 2022, ICET2019, EUSIPCO etc

العضوية في الهيئات المهنية

(IEEE and IEEE Communication Society Member (92945791 :الآن–2014

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المرجع: https://www.unizwa.edu.om/staff/cas/khizar.hayat