



RESEARCHER PROFILE

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Google WAN NURAL JAWAHIR
HJ WAN YUSSOF

EDUCATION



- PhD in Computer Science, Universiti Malaysia Terengganu
- Master in Artificial Intelligence, Universiti Malaysia Terengganu
- Bachelor in Software Engineering, Universiti Malaysia Terengganu

AREAS OF EXPERTISE

- Image Processing
- Computer Vision

SUPERVISION



COLLABORATORS



TS. DR. WAN NURAL JAWAHIR HJ WAN YUSSOF

SENIOR LECTURER

Dr. Wan Nural Jawahir Hj Wan Yussof is a Computer Vision researcher and Head of Programme for Bachelor of Computer Science (Software Engineering) at UMT. She has secured over half a million ringgit in research grants, published 40+ journal and conference papers, and supervised postgraduate students. An active IEEE member and MBOT Professional Technologist, she also reviews high-impact journals.

CONTACT

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SELECTED RESEARCH PROJECTS

- ✓ FRGS, MOHE (2020–2023), New Unsupervised Deep Learning Framework with Local Features for Underwater Image Matching, Amount: RM118,950
- ✓ FRGS, MOHE (2016–2018), A New Local Invariant Image Features for Underwater Image Application, Amount: RM68,000
- ✓ Geran Galakan Penyelidikan (GGP), UMT (2013–2014) A New Local Image Descriptor using Gabor Wavelets and Relational Features, Amount: RM10,000

SELECTED PUBLICATIONS

- ✓ Zulkeflee, A. N., W. N. J. H. W. Yussof, R. Umar, N. Ahmad, F. S. Mohamad, M. Man, and E. A. Awalludin. Detection of a new crescent moon using the Maximally Stable Extremal Regions (MSER) technique. *Astronomy and Computing* 41 (2022): 100651
- ✓ WNJHW Yussof, M Man, R Umar, AN Zulkeflee, EA Awalludin, N Ahmad, Enhancing Moon Crescent Visibility Using Contrast-Limited Adaptive Histogram Equalization and Bilateral Filtering Techniques, *Journal of Telecommunications and Information Technology*, (2022), pp. 3–13
- ✓ Wan Nural Jawahir Hj Wan Yussof and Muhammed Suzuri Hitam, Invariant Gabor-based Interest Points Detector Under Geometric Transformation, *Digital Signal Processing*, (2014) vol. 25, pp.109–197
- ✓ Hitam, M. S., Awalludin, E. A., Yussof, W. N. J. H. W., and Bachok, Z. Mixture contrast limited adaptive histogram equalization for underwater image enhancement. In 2013 International conference on computer applications technology (ICCAT), IEEE. (2013) pp. 1–5.
- ✓ Wan Nural Jawahir Hj Wan Yussof and Hans Burkhardt, Automatic 3D Liver Segmentation Using Morphological Operations and Graph-Cut Techniques, *JNIT: Journal of Next Generation Information Technology*, (2011) vol. 2, pp.23–34

"Yesterday I sought knowledge, today I strive for meaningful impact."