



Name: Eng. Khaled Abu Jbara

Rank: Instructor - Electrical & Electronics Engineering

Personal Information

Nationality:	Jordanian
AU Joining Date:	30 Jan 2022
E-Mail Address:	K.abujbara@au.edu.kw

Professional Information

Education:	MSc, Electrical & Computer Engineering KAUST: King Abdullah University of Science & Technology, KSA - 2014/2015 Thesis Title: Real-time Sensor Fusion for Runway Detection and Tracking. BSc, Electrical Engineering Kuwait University, Kuwait - 2010/2011
Specialization:	Visual Computing - Data Science
Current Academic Position:	Electrical Engineering Instructor, AU
Current Professional Positions:	NA
Previous Administrative Position Held:	Administrative Supervisor/Engineer EE department, Kuwait University (2012-2013)
Previous Academic Positions Held:	Graduate Research Assistant Visual Computing Center, KAUST (2013-2020)
Fellowships And Honors:	- KAUST Fellowship for Graduate Studies - Kuwait University Scholarship for BSc Studies - Best Employee Award at the EE Department, Kuwait University - Ranked 1st Honored BSc Student Award x4, Kuwait University
Teaching Experience:	Instructor Australian University (2022-Present) Teacher Assistance – Lab Instructor

	Kuwait University (2012-2013) Probability & Statistics · Advanced Mathematics Electric Circuits · Digital Integrated Electronics
Industrial And Technical Experience:	R&D Engineer – Product manager KAUST Research Park (2020-2021) R&D Engineer Saudi ARAMCO Oil Company, Dhahran, KSA. (6-8/2017)
Research Interest:	Artificial Intelligence: - Machine Learning - Computer Vision - Computational Imaging - Deep Learning - Robotics - Image processing
Research Grants:	NA
Research and Publications including Journal and Books:	Abu-Jbara K , Sundaramorthi G, Claudel C, “Fusing Vision and Inertial Sensors for Robust Runway Detection and Tracking,” 2018 Journal of Guidance, Control, and Dynamics (JCGD), 2018, 41: pp. 1929–1946, doi: 10.2514/1.G002898. Abu Jbara, K. F. (2015). A Robust Vision-based Runway Detection and Tracking Algorithm for Automatic UAV Landing. KAUST Research Repository, Thesis, doi: 10.25781/KAUST-CR45R.
Paper Presentations at Professional Conferences:	K. Abujbara , R. Idoughi and W. Heidrich, "Non-Linear Anisotropic Diffusion for Memory-Efficient Computed Tomography Super-Resolution Reconstruction," 2021 International Conference on 3D Vision (3DV), 2021, pp. 175-185, doi: 10.1109/3DV53792.2021.00028. K. Abu-Jbara , W. Alheadary, G. Sundaramorthi and C. Claudel, "A robust vision-based runway detection and tracking algorithm for automatic UAV landing," 2015 International Conference on Unmanned Aircraft Systems (ICUAS), 2015, pp. 1148-1157, doi: 10.1109/ICUAS.2015.7152407.
University Service including committee Membership:	KAUST Graduate Orientation Leader (2014-2019) Graduate Council Member (2014-2016) Kuwait University ABET Accreditation of EE Department
National Service:	NA
University Committees:	Credit Transfer Committee Activities and Events Committee Labs Committee