

Faisal Shafait

Professor

School of Electrical Engineering and Computer Science

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About

Dr. Faisal Shafait is working as Professor in the School of Electrical Engineering and Computer Science. Dr. Faisal Shafait has a PhD in Artificial Intelligence. Dr. Faisal Shafait has published 215 research articles & conference papers having a citation count of 3075, carried out 28 projects and filed 0 intellectual property.

Qualifications

PhD in Artificial Intelligence	2005 - 2008
TU Kaiserslautern , Germany	
MSc in Information Technology	2002 - 2005
Technische Universität Hamburg-Harburg , Germany	
BE in Electronics	1998 - 2002
UET Taxila , Pakistan	

Experience

Professor	2025- Present
School of Electrical Engineering and Computer Science	
Professor	2020 - 2020
School of Electrical Engineering and Computer Science	
Professor	2018 - 2020
School of Electrical Engineering and Computer Science	
Associate Professor	2014 - 2018
School of Electrical Engineering and Computer Science	
Assistant Research Professor	2012 - 2014
The University of Western Australia , Perth, Australia	
Senior Researcher	2008 - 2012
German Research Centre for Artificial Intelligence (DFKI GmbH) , Germany	

Awards

School / College Best Researcher Awards-2021	2022
SEECs Best Innovator	
SEECs Best Researcher	
University Best Teacher	
IAPR Young Scientist	

Professional Memberships

PEC	Since 2018
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Research Projects

National Projects	
Blockage of Unwanted YouTube Videos in Network Traffic	2024

Funding Agency: NUST Amount: PKR 1,000,000.00 Status: Approved_inprocess	
Vision-based 3D Human Hand Tracking System Funding Agency: NUST Amount: PKR 1,000,000.00 Status: Completed	2024
NeuReader: Eye Tracking Enabled Explainable-AI for Empowering Resource Scarce Neurological Healthcare in Pakistan Funding Agency: Early Career Researcher Collaborations for Global Development by Engineering and Physical Sciences Research Council (EPSRC), UK Amount: PKR 41,748,000.00 Status: Approved_inprocess	2024
Transforming the Judiciary System in Pakistan using Artificial Intelligence (Phase-I) Funding Agency: NUST Amount: PKR 101,298,000.00 Status: Completed	2023
SLUM-i: A Remote Sensing Based Intelligent Framework for Detection and Predictive Growth Analysis of Slums for Sustainable Socio-Economic Development of Pakistan Funding Agency: DAAD Amount: PKR 14,423,146.00 Status: Approved_inprocess	2023
AI-FORCAST: AI-based Forest Carbon Stock Assessment for Climate Change Mitigation Funding Agency: DAAD German Academic Exchange Service Amount: PKR 12,106,119.00 Status: Approved_inprocess	2023
Multifaceted Crop Scouting using Industry 4.0 Funding Agency: HEC Amount: PKR 132,740,000.00 Status: Completed	2022
Customized Irrigation and Climate Advisory Service through Citizen Science Funding Agency: Pakistan Council of Research in Water Resources (PCRWR) Amount: PKR 1,200,000.00 Status: Approved_inprocess	2022
Hardware Implementation of ATLS Algorithms using Deep Learning and Computer Vision on Zynq Platform Funding Agency: NESCOM Amount: PKR 250,000.00 Status: Completed	2019
Unstructured Landing of Fixed Wing UAV using Image Processing Techniques Funding Agency: NESCOM Amount: PKR 200,000.00 Status: Completed	2019
Water Resource Estimation by Satellite-Based Image Analysis (WASABI) – Extension. Funding Agency: DAAD Amount: PKR 4,491,635.00 Status: Completed	2023
Forest Monitoring & Change Detection using Remote Sensing Data (Extension) Funding Agency: DAAD Amount: PKR 8,022,662.00 Status: Approved_inprocess	2020
Early Detection of Forest Health Decline using Remote Sensing Data Funding Agency: DAAD Amount: PKR 10,323,394.00 Status: Approved_inprocess	2021
Generating Plausible Counterfactual Explanations using Transformers in Natural Language based Financial Forecasting (NLFF)	2022

Funding Agency: HEC Amount: PKR 19,892,000.00 Status: Completed	
Agri-DMaP: Internet of Things (IoT) and AI enabled system for Crop Disease Monitoring and Prediction Funding Agency: NCAI-HEC Amount: PKR 9,447,000.00 Status: Completed	2021
Document Image Understanding and Editing using Tesseract OCR Funding Agency: DocIT Solutions LLC Amount: PKR 500,000.00 Status: Completed	2015
Autonomous landing of Fixed Wing UAV on Runways using Machine Learning Funding Agency: NESCOM Amount: PKR 150,000.00 Status: Completed	2017
Intelligent Data Extraction from Mortgage Closing Disclosure Forms using OCR and Natural Language Processing Funding Agency: Acrux Technologies, Pakistan Amount: PKR 200,000.00 Status: Completed	2015
Wearable EEG for pre-Diagnostic Screening of Mental Diseases in Rural areas Funding Agency: DAAD Amount: PKR 12,226,040.00 Status: Approved_inprocess	2018
WATER Resource Estimation by Satellite Based Image Analysis (WASABI) Funding Agency: DAAD Amount: PKR 12,000,000.00 Status: Completed	2018
Crop Monitoring via Remote Sensing from Earth Observation Satellites to UAVs Funding Agency: DAAD Amount: PKR 12,352,440.00 Status: Approved_inprocess	2018
Internet of Things (IoT) enabled surface water pollution detection for predictive healthcare Funding Agency: DAAD Amount: PKR 13,388,860.00 Status: Completed	2019
iDoc: A Portable, Cost-Effective Diagnostic Screening Device for Early Dengue Fever Detection Funding Agency: PSF Amount: PKR 1,550,000.00 Status: Completed	2017
Reshaping Online Consumer Experience with Data Driven Personalized Chatbots Funding Agency: HEC Amount: PKR 13,958,000.00 Status: Completed	2017
An Automatic Real Time Vehicle Detection, Identification and Registration Plate Recognition System (VSURV) Funding Agency: HEC Amount: PKR 4,746,000.00 Status: Completed	2017
Forest Monitoring and changed detection using remote sensing data Funding Agency: DAAD Amount: PKR 10,000,000.00 Status: Completed	2018
Fish Bio Diversity Estimation by Low-Cost Non-Destructive Video Based Sampling (FIBEVID) Funding Agency: DAAD Amount: PKR 10,000,000.00	2016

Status: Completed

Crop Health Monitoring and Early Warning System using Internet of Things (IoT) Enabled Precision Agriculture

2018

Funding Agency: HEC
Amount: PKR 4,620,000.00
Status: Completed

International Projects

Research Articles

Lightweight distilled transformer-based vision framework for detection of forest fire and smoke in real-world scenes

2025

Tahir Habib Nawaz Md Asaduzzaman Mohammad S. Hasan Waqar Shahid Qureshi Faisal Shafait Hassan Akbar
Journal of Electronic Imaging , Volume 34(3), Article Number 033035
Impact Factor: 1.000 | Quartile: 4
DOI: 10.1117/1.JEI.34.3.033035

DeepFins: Capturing dynamics in underwater videos for fish detection

2025

Ahsan Jalal Ahmad Salman Ajmal Mian Salman Abdul Ghafoor Faisal Shafait
Ecological Informatics , Volume 86, Article Number 103013
Impact Factor: 5.900 | Quartile: 1 | Citations: 5
DOI: <https://doi.org/10.1016/j.ecoinf.2025.103013>

Segmentation of Wheat Rust Disease Using Co-Salient Feature Extraction

2025

Hirra Anwar Muhammad Ali Afridi Haseeb Muhammad Muhammad Mohsin Ghaffar Muhammad Jawad Khan Christian Weis Norbert Wehn Faisal Shafait
AgriEngineering , Volume 7(2), Article Number 23
Impact Factor: 3.000 | Quartile: 2 | Citations: 3
DOI: <https://doi.org/10.3390/agriengineering7020023>

NeuroAssist: Open-Source Automatic Event Detection in Scalp EEG

2024

Mohammad Ali Alqarni Hira Masood Adil Jowad Qureshi Muiz Alvi Haziq Arbab Hassan Aqeel Khan Awais Mehmood Kamboh Saima Shafait Faisal Shafait
IEEE Access , Volume 12, Pages 170321-170334
Impact Factor: 3.400 | Quartile: 2 | Citations: 2
DOI: 10.1109/ACCESS.2024.3492673

Seagrass classification using unsupervised curriculum learning (UCL)

2024

Nosheen Abid Md Kislu Noman Gyorgy Kovacs Syed Mohammed Shamsul Islam Tosin Adewumi Paul Lavery Faisal Shafait Marcus Liwicki
Ecological Informatics , Volume 83, Article Number 102804
Impact Factor: 5.900 | Quartile: 1 | Citations: 3
DOI: <https://doi.org/10.1016/j.ecoinf.2024.102804>

Sparse Representations Optimization with Coupled Bayesian Dictionary and Dictionary Classifier for Efficient Classification

2024

Muhammad Riaz-ud-din Salman Abdul Ghafoor Faisal Shafait
Applied Sciences , Volume 14, Issue 1, Article Number 306
Impact Factor: 2.7 | Quartile: 2
DOI: <https://doi.org/10.3390/app14010306>

Dictionary based Bayesian Classifier Learning

2023

Muhammad Riaz-ud-din Faisal Shafait
Journal of Computing and Biomedical Informatics , Volume 5, Issue 02, Pages 136-149
Impact Factor: N/A
DOI: <https://doi.org/10.56979/502/2023>

The NWRD Dataset: An Open-Source Annotated Segmentation Dataset of Diseased Wheat Crop

2023

Hirra Anwar Saad Ullah Khan Muhammad Fayyaz Muhammad Mohsin Ghaffar Muhammad Jawad Khan Christian Weis Norbert Wehn Faisal Shafait
Sensors , Volume 23, Issue 15, Article Number 6942
Impact Factor: 3.9 | Quartile: 2 | Citations: 8
DOI: <https://doi.org/10.3390/s23156942>

Sparse adversarial image generation using dictionary learning

2023

Maham Jahangir Faisal Shafait
Journal of Electronic Imaging , Volume 32, Issue 3, Article Number 033006

Impact Factor: 1.1 Quartile: 4 Citations: 1 DOI: DOI: 10.1117/1.JEI.32.3.033006	
Conv-transformer architecture for unconstrained off-line Urdu handwriting recognition <i>Nauman Riaz Haziq Arbab Arooba Maqsood Khuzaeymah Nasir Adnan Ul-Hasan Faisal Shafait</i> <i>International Journal on Document Analysis and Recognition</i> , Volume 25, Issue 4, Pages 373-384 Impact Factor: 2.3 Quartile: 3 Citations: 15 DOI: https://doi.org/10.1007/s10032-022-00416-5	2022
Adversarial Attack using Sparse Representation of Feature Maps <i>Maham Jahangir Faisal Shafait</i> <i>IEEE Access</i> , Volume 10, Pages 120724-120734 Impact Factor: 3.476 Quartile: 2 Citations: 2 DOI: 10.1109/ACCESS.2022.3222531	2022
A Multi-Step Approach for Optically Active and Inactive Water Quality Parameter Estimation Using Deep Learning and Remote Sensing <i>Mehreen Ahmed Rafia Mumtaz Zahid Anwar Arsalan Shaukat Omar Arif Faisal Shafait</i> <i>Water</i> , Volume 14, Issue 13, Article Number 2112 Impact Factor: 3.530 Quartile: 2 Citations: 39 DOI: https://doi.org/10.3390/w14132112	2022
Bacterial Prediction using Internet of Things (IoT) and Machine Learning <i>Hamza Khurshid Rafia Mumtaz Noor Alvi Ayesha Haque Sadaf Mumtaz Faisal Shafait Sheraz Ahmad Muhammad Imran Malik Andreas Dengel</i> <i>Environmental Monitoring and Assessment</i> , Volume 194, Article Number 133 Impact Factor: 2.513 Quartile: 3 Citations: 17 DOI: https://doi.org/10.1007/s10661-021-09698-4	2022
The NMT Scalp EEG Dataset: An Open-Source Annotated Dataset of Healthy and Pathological EEG Recordings for Predictive Modeling <i>Rahat Ul Ain Hassan Aqeel Khan Hammad Tanveer Butt Awais Mehmood Kamboh Saima Shafait Wasim Alamgir Didier Stricker Faisal Shafait</i> <i>Frontiers in Neuroscience</i> , Volume 15, Article Number 755817 Impact Factor: 5.152 Quartile: 2 Citations: 20 DOI: 10.3389/fnins.2021.755817	2022
A convolutional recursive deep architecture for unconstrained Urdu handwriting recognition <i>Noor ul Sehr Zia Muhammad Ferjad Naeem Syed Muhammad Kumail Raza Muhammad Mubasher Khan Adnan Ul-Hasan Faisal Shafait</i> <i>Neural Computing and Applications</i> , Volume 34, Pages1635-1648 Impact Factor: 6.0 Quartile: 2 Citations: 22 DOI: doi.org/10.1007/s00521-021-06498-2	2022
UCL: Unsupervised Curriculum Learning for water body classification from remote sensing imagery <i>Nosheen Abid Muhammad Shahzad Muhammad Imran Malik Ulrich Schwanecke Adrian Ulges György Kovács Faisal Shafait</i> <i>International Journal of Applied Earth Observation and Geoinformation</i> , Volume 105, Article Number 102568 Impact Factor: 7.672 Quartile: 1 Citations: 33 DOI: https://doi.org/10.1016/j.jag.2021.102568	2021
Multi-view gait recognition system using spatio-temporal features and deep learning <i>Saba Gul Muhammad Imran Malik Gul Muhammad Khan Faisal Shafait</i> <i>Expert Systems with Applications</i> , Volume 179, Article Number 115057 Impact Factor: 8.665 Quartile: 1 Citations: 38 DOI: https://doi.org/10.1016/j.eswa.2021.115057	2021
Analyzing LDA and NMF Topic Models for Urdu Tweets via Automatic Labeling <i>Zoya Seemab Latif Faisal Shafait Rabia Latif</i> <i>IEEE Access</i> , Volume 9, Pages 127531-127547 Impact Factor: 3.367 Quartile: 2 Citations: 28 DOI: 10.1109/ACCESS.2021.3112620	2021
A Novel Technique for Short-Term Load Forecasting Using Sequential Models and Feature Engineering <i>Abdul Wahab Muhammad Anas Tahir Naveed Iqbal Adnan Ul-Hasan Faisal Shafait Syed Muhammad Raza Kazmi</i> <i>IEEE Access</i> , Volume 9, Pages 96221-96232 Impact Factor: 3.367 Quartile: 2 Citations: 18 DOI: 10.1109/ACCESS.2021.3093481	2021

Sense the pen: Classification of online handwritten sequences (text, mathematical expression, plot/graph) <i>Junaid Younas Muhammad Imran Malik Sheraz Ahmed Faisal Shafait Paul Lukowicz</i> <i>Expert Systems with Applications</i> , Volume 172, Article Number 114588 Impact Factor: 8.665 Quartile: 1 Citations: 6 DOI: https://doi.org/10.1016/j.eswa.2021.114588	2021
AI-ForestWatch: semantic segmentation based end-to-end framework for forest estimation and change detection using multi-spectral remote sensing imagery <i>Annus Zulfiqar Muhammad M. Ghaffar Muhammad Shahzad Christian Weis Muhammad Imran Malik Faisal Shafait Norbert Wehn</i> <i>Journal of Applied Remote Sensing</i> , Volume 15(2), Article Number 024518 Impact Factor: 1.568 Quartile: 4 Citations: 25 DOI: https://doi.org/10.1117/1.JRS.15.024518	2021
Fi-fo detector: Figure and formula detection using deformable networks <i>Junaid Younas Shoaib Ahmed Siddiqui Mohsin Munir Muhammad Imran Malik Faisal Shafait Paul Lukowicz Sheraz Ahmed</i> <i>Applied Sciences</i> , Volume 10(18), Article Number 6460 Impact Factor: 2.679 Quartile: 2 Citations: 16 DOI: 10.3390/app10186460	2020
Steganographic universal adversarial perturbations <i>Salah ud Din Naveed Akhtar Atif Mansoor Muhammad Shahzad Younis Faisal Shafait Muhammad Shafique</i> <i>Pattern Recognition Letters</i> , Volume 135, Pages 146-152 Impact Factor: 3.756 Quartile: 2 Citations: 21 DOI: https://doi.org/10.1016/j.patrec.2020.04.025	2020
Fish detection and species classification in underwater environments using deep learning with temporal information <i>Ahsan Jalal Ahmad Salman Ajmal Mian Mark Shortis Faisal Shafait</i> <i>Ecological Informatics</i> , Volume 57, Article Number 101088 Impact Factor: 3.142 Quartile: 2 Citations: 252 DOI: https://doi.org/10.1016/j.ecoinf.2020.101088	2020
Converting a Common Low-Cost Document Scanner into a Multispectral Scanner <i>Zohaib Khan Faisal Shafait Ajmal Mian Zohaib Khan Ajmal Mian</i> <i>Sensors</i> , Volume 19, Issue 14, Article Number 3199 Impact Factor: 3.275 Quartile: 1 Citations: 4 DOI: 10.3390/s19143199	2019
Two-stage framework for optic disc localization and glaucoma classification in retinal fundus images using deep learning <i>Muhammad Naseer Bajwa Muhammad Imran Malik Shoaib Ahmed Siddiqui Andreas Dengel Faisal Shafait Wolfgang Neumeier sheraz Ahmed</i> <i>BMC Medical Informatics and Decision Making</i> , Volume 19, Article Number 136 Impact Factor: 2.317 Quartile: 3 Citations: 165 DOI: 10.1186/s12911-019-0842-8	2019
Real-time fish detection in complex backgrounds using probabilistic background modelling <i>Ahmad Salman Salman Maqbool Abdul Hannan Khan Ahsan Jalal Faisal Shafait</i> <i>Ecological Informatics</i> , Volume 51, Pages 44-51 Impact Factor: 2.511 Quartile: 2 Citations: 56 DOI: 10.1016/j.ecoinf.2019.02.011	2019
Viewpoint invariant semantic object and scene categorization with RGB-D sensors <i>Faisal Shafait Hasan F. M. Zaki Ajmal Mian</i> <i>Autonomous Robots</i> , Volume 43, Issue 4, Pages 1005-1022 Impact Factor: 3.602 Quartile: 1 Citations: 14 DOI: 10.1007/s10514-018-9776-8	2019
Automatic fish detection in underwater videos by a deep neural network-based hybrid motion learning system <i>Faisal Shafait Ahmad Salman Shoaib Ahmad Siddiqui Ajmal Mian Mark R. Shortis Khawar Khurshid Adrian Ulges Ulrich Schwanecke</i> <i>ICES Journal of Marine Science</i> , Volume 76, Issue 4 Impact Factor: 3.188 Quartile: 1 Citations: 160 DOI: 10.1093/icesjms/fsz025	2019

3DAirSig: A Framework for Enabling In-Air Signatures Using a Multi-Modal Depth Sensor	2018
<i>Faisal Shafait Muhammad Jameel Nawaz Malik Ahmed Elhayek Sheraz Ahmed Muhammad Imran Malik Didier Stricker</i> <i>Sensors</i> , Volume: 18, Issue: 11, Article Number: 3872 Impact Factor: 3.031 Quartile: 1 Citations: 27 DOI: 10.3390/s18113872	
Representation learning with deep extreme learning machines for efficient image set classification	2018
<i>Faisal Shafait Muhammad Uzair Bernard Ghanem Ajmal Mian</i> <i>Neural Computing and Applications</i> , 30, pages 1211–1223(2018) Impact Factor: 4.664 Quartile: 1 Citations: 36 DOI: 10.1007/s00521-016-2758-x	
Dense 3D Face Correspondence	2018
<i>Ajmal Mian Ian Reid Syed Zulqarnain Gilani Faisal Shafait</i> <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , Volume: 40, Issue: 7, Pages: 1584-1598 Impact Factor: 17.730 Quartile: 1 Citations: 77 DOI: 10.1109/TPAMI.2017.2725279	
Automatic fish species classification in underwater videos: Exploiting pre-trained deep neural network models to compensate for limited labelled data	2018
<i>Shoaib Ahmed Siddiqui Ahmad Salman Muhammad Imran Malik Faisal Shafait Ajmal Mian Mark Shortis Euan Harvey</i> <i>ICES Journal of Marine Science</i> , NULL Impact Factor: 3.367 Quartile: 1 Citations: 208 DOI: 10.1093/icesjms/fsx109	
Towards automating underwater measurement of fish length: a comparison of semi-automatic and manual stereo– video measurements	2017
<i>Euan S. Harvey Mark R. Shortis Ajmal Mian Mehdi Ravanbakhsh James W. Seager Philip F. Culverhouse Danelle E. Cline Duane R. Edgington Faisal Shafait</i> <i>ICES Journal of Marine Science</i> , Volume 74, Issue 6, Pages 1690-1701 Impact Factor: 2.906 Quartile: 1 Citations: 52 DOI: 10.1093/icesjms/fsx007	
Urdu Nastaliq recognition using convolutional-recursive deep learning	2017
<i>Saeeda Naz Faisal Shafait Arif I. Umar Riaz Ahmad Imran Siddiqi Saad B Ahmed Muhammad I. Razzak</i> <i>Neurocomputing</i> , Volume: 243, Pages: 80-87 Impact Factor: 3.241 Quartile: 1 Citations: 101 DOI: 10.1016/j.neucom.2017.02.081	
Learning a deeply supervised multi-modal RGB-D embedding for semantic scene and object category recognition	2017
<i>Hasan F.M. Zaki Faisal Shafait Ajmal Mian</i> <i>Robotics and Autonomous Systems</i> , Volume: 92, Pages: 41-52 Impact Factor: 2.638 Quartile: 2 Citations: 18 DOI: 10.1016/j.robot.2017.02.008	
Efficient classification with sparsity augmented collaborative representation	2017
<i>Naveed Akhtar Ajmal Mian Faisal Shafait</i> <i>Pattern Recognition</i> , Volume: 65, Pages: 136-145 Impact Factor: 3.965 Quartile: 1 Citations: 81 DOI: 10.1016/j.patcog.2016.12.017	
Discriminative Bayesian Dictionary Learning for Classification	2016
<i>Faisal Shafait Naveed Akhtar Ajmal Mian</i> <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , Volume 38, Issue 12, Article number 7404063 Impact Factor: 8.329 Quartile: 1 Citations: 42 DOI: 10.1109/TPAMI.2016.2527652	
Urdu Nasta'liq text recognition using implicit segmentation based on multi-dimensional long short term memory neural networks	2016
<i>Saeeda Naz Arif Iqbal Umar Riaz Ahmed Muhammad Imran Razzak Sheikh Faisal Rashid Faisal Shafait</i> <i>SpringerPlus</i> , Volume 5, Article Number 2010 Impact Factor: 1.130 Quartile: 2 Citations: 46 DOI: 10.1186/s40064-016-3442-4	

- Fish identification from videos captured in uncontrolled underwater environments** 2016
Faisal shafait Ajmal Mian Mark Shortis Bernard Ghanem Phil F. Culverhouse Duane Edgington Danelle Cline Mehdi Ravanbakhsh James Seager Euan S. Harvey
ICES Journal of Marine Science, Volume 73, Issue 10, Pages 2737-2746
Impact Factor: 2.76 | **Quartile:** 1
DOI: <https://doi.org/10.1093/icesjms/fsw106>
- Fish species classification in unconstrained underwater environments based on deep learning** 2016
Ahmad Salman Ahsan Jalal Faisal Shafait Ajmal Mian Mark Shortis James Seager Euan Harvey
Limnology and Oceanography: Methods, NULL
Impact Factor: 1.992 | **Quartile:** 1 | **Citations:** 207
DOI: 10.1002/lom3.10113
- Progress in the Automated Identification, Measurement, and Counting of Fish in Underwater Image Sequences** 2016
Mark R. Shortis Mehdi Ravanbakhsh Faisal Shafait Ajmal Mian
Marine Technology Society Journal, Volume 50, Issue 1, Pages 4-16
Impact Factor: 0.727 | **Quartile:** 3 | **Citations:** 38
DOI: 10.4031/MTSJ.50.1.1
- Joint Group Sparse PCA for Compressed Hyperspectral Imaging** 2015
Faisal Shafait Zohaib Khan Ajmal Mian
IEEE Transactions on Image Processing, Volume: 24, Issue: 12, Pages: 4934-4942
Impact Factor: 3.735 | **Quartile:** 1 | **Citations:** 62
DOI: 10.1109/TIP.2015.2472280
- Automatic Ink Mismatch Detection For Forensic Document Analysis** 2015
Zohaib Khan Faisal Shafait Ajmal Mian
Pattern Recognition, Volume 48, No. 11, Pages 3615-3626
Impact Factor: 3.99 | **Quartile:** 1 | **Citations:** 63
DOI: <https://doi.org/10.1016/j.patcog.2015.04.008>
- Prenatal testosterone exposure is related to sexually dimorphic facial morphology in adulthood** 2015
Faisal Shafait Andrew J. O. Whitehouse Syed Zulqarnain Gilani Ajmal Mian Diana Weiting Tan Murray T. Maybery Jeffrey A. Keelan Roger Hart David J. Handelsman Mithran Goonawardene Peter Eastwood
Proceedings of the Royal Society B-Biological Sciences, Volume:282, Issue:1816, Article Number: 20151351
Impact Factor: 4.823 | **Quartile:** 1 | **Citations:** 149
DOI: 10.1098/rspb.2015.1351
- Is Spectral Reflectance Of The Face A Reliable Biometric ?** 2015
Muhammad Uzair Arif Mahmood Faisal Shafait Christian Nansen Ajmal Mian
Optics express, Volume 23, Issue 12, Pages 15088-16499
Impact Factor: 3.148 | **Quartile:** 1 | **Citations:** 23
DOI: <https://doi.org/10.1364/OE.23.015160>
- Special Issue: Robust Reading Preface** 2015
Dimosthenis Karatzas Seiichi Uchida Masakazu Iwamura Faisal Shafait
International Journal on Document Analysis and Recognition, Volume 18, Issue 2, Pages 109-110, Special Issue SI
Impact Factor: 0.885 | **Quartile:** 3
DOI: 10.1007/s10032-015-0244-0
- Sexually Dimorphic Facial Features Vary According To Level Of Autistic-Like Traits In The General Population** 2015
Syed Zulqarnain Gilani Diana Weiting Tan Suzanna N Russell-Smith Murray T Maybery Ajmal Mian Peter R Eastwood Faisal Shafait Mithran Goonewardene Andrew JO Whitehouse
Journal of Neurodevelopmental Disorders, Vol. 7, No. 1, Article Number 14
Impact Factor: 2.787 | **Quartile:** 2 | **Citations:** 15
DOI: <https://doi.org/10.1186/s11689-015-9109-6>
- Futuristic Greedy Approach To Sparse Unmixing Of Hyperspectral Data** 2015
Naveed Akhtar Faisal Shafait Ajmal Mian
IEEE Transactions on Geoscience and Remote Sensing, Volume 53, No. 4, Pages 2157-2174
Impact Factor: 3.360 | **Quartile:** 1 | **Citations:** 30
DOI: 10.1109/TGRS.2014.2356556

Automated Fish Detection In Underwater Images Using Shape-Based Level Sets <i>Mehdi Ravanbakhsh Mark R. Shortis Faisal Shafait Euan S. Harvey James W. Seager Ajmal Mian</i> <i>Photogrammetric Record</i> , Volume 30(149), Pages 46-62 Impact Factor: 1.621 Quartile: 2 Citations: 62 DOI: https://doi.org/10.1111/phor.12091	2015
Visual Saliency Models For Text Detection In Real World <i>Renwu Gao Seiichi Uchida Asif Shahab Volkmar Frinken Faisal Shafait</i> <i>PLoS ONE</i> , Volume 9, Number 12, Article Number e114539 Impact Factor: 3.234 Quartile: 1 Citations: 17 DOI: https://doi.org/10.1371/journal.pone.0114539	2014
Geometric Facial Gender Scoring: Objectivity of Perception <i>Syed Zulqarnain Gilani Kathleen Rooney Mark Walters Faisal Shafait</i> <i>PLoS ONE</i> , Volume 9(6), Article Number e99483 Impact Factor: 3.234 Quartile: 1 Citations: 28 DOI: 10.1371/ journal.pone.0099483	2014
Efficient feature size reduction via predictive forward selection <i>Matthias Reif Faisal Shafait</i> <i>Pattern Recognition</i> , Volume: 47, Issue: 4, Pages: 1664-1673 Impact Factor: 3.096 Quartile: 1 Citations: 63 DOI: 10.1016/j.patcog.2013.10.009	2014
Contextual object category recognition for RGB-D scene labeling <i>Haider Ali Faisal Shafait Eirini Giannakidou Athena Vakali Nadia Figueroa Theodoros Varvadoukas Nikolaos Mavridis</i> <i>Robotics and Autonomous Systems</i> , Volume: 62, Issue: 2, Pages: 241-256 Impact Factor: 1.256 Quartile: 2 Citations: 20 DOI: 10.1016/j.robot.2013.10.001	2014
Automatic Classifier Selection for Non-Experts <i>Matthias Reif Faisal Shafait Markus Goldstein Thomas M. Breuel Andreas Dengel</i> <i>Pattern Analysis and Applications</i> , Volume: 17, Issue: 1, Pages: 83-96 Impact Factor: 0.646 Quartile: 4 Citations: 121 DOI: 10.1007/s10044-012-0280-z	2014
Automatic Authentication of Color Laser Print-Outs Using Machine Identification Codes <i>Joost van Beusekom Faisal Shafait Thomas M. Breuel</i> <i>Pattern Analysis and Applications</i> , Volume 16, Issue 4, Pages 663-678 Impact Factor: 0.742 Quartile: 3 Citations: 27 DOI: 10.1007/s10044-012-0287-5	2013
Text-line examination for document forgery detection <i>Faisal Shafait Joost van Beusekom Thomas M. Breuel</i> <i>International Journal on Document Analysis and Recognition</i> , Volume: 16, Issue: 2, Pages: 189-207 Impact Factor: 0.857 Quartile: 3 Citations: 42 DOI: 10.1007/s10032-011-0181-5	2013
Coupled snakelets for curled text-line segmentation from warped document images <i>Syed Saqib Bukhari Faisal Shafait Thomas M. Breuel</i> <i>International Journal on Document Analysis and Recognition</i> , Volume: 16, Issue: 1, Pages: 33-53 Impact Factor: 0.857 Quartile: 3 Citations: 17 DOI: 10.1007/s10032-011-0176-2	2013
Meta-learning for evolutionary parameter optimization of classifiers <i>Matthias Reif Faisal Shafait Andreas Dengel</i> <i>Machine Learning</i> , Volume: 87, Issue: 3, Pages: 357-380 Impact Factor: 1.454 Quartile: 2 Citations: 128 DOI: 10.1007/s10994-012-5286-7	2012
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Fault Detection And Localization In Empty Water Bottles Through Machine Vision	2004
<i>Faisal Shafait Syed Muhammad Imran Sven Klette-Matzat</i>	
<i>E-Tech 2004</i> , res.country(177,)	
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Book Chapters

Surface water pollution monitoring using the Internet of Things (IoT) and machine learning	2020
<i>Hamza Khurshid Rafia Mumtaz Noor Alvi Faisal Shafait Sheraz Ahmed Muhammad Imran Malik Andreas Dengel Quanita Kiran</i>	
In: <i>Book on AI for Emerging Verticals Human-Robot Computing, Sensing and Networking</i> Chapter 17, Pages 337-351	
Citations: N/A	
DOI: https://shop.theiet.org/ai-for-emerging-verticals	

Editorial Activities

N/A	2024
Reviewed Papers for Journals	
Impact Factor: N/A	
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International Journal on Document Analysis and Recognition	2024
Reviewed Papers for Journals	
Impact Factor: 1.8	
Pattern Recognition	2024
Reviewed Papers for Journals	
Impact Factor: 7.196	
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Microsoft CMT	2024
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Pattern Recognition Reviewed Papers for Journals Impact Factor: 8.518	2023
International Journal on Document Analysis and Recognition Reviewed Papers for Journals	2023

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