

Productions scientifiques des enseignants chercheurs de l'ISI

2023-2024

Titre	Titre du journal/Conférence	Auteurs
Online conflict resolution strategies for human activity recognition in smart homes	- Journal of Control and decision, 2023 - Taylor & Francis	A Jarraya, A Bouzeghoub, A Borgi
Evolutionary Graph-Clustering vs Evolutionary Cluster Detection Approaches for Community Identification in PPI Networks	Conference on Information, 2023 - Springer	M Ben M'Barek, <u>S Ben Hmida</u> , A Borgi
P17-Refinement of a ligand activity and representation of topological pharmacophores in a colored network	sfci-sciencesconf.org 2023	R Bureau, A Lepailleur, A Borgi
Shunt faults detection and classification in electrical power transmission line systems based on artificial neural networks	The international journal for computation and mathematics in in electrical and electronic engineering	K Assadi, JB Slimane, H Chalandi, S Salhi
Performance Enhancement of Optical 4× 2 Encoder Based on Hourglass-Shaped Photonic Crystal Ring Resonator	2023 29th International Conference on Telecommunications (ICT), 1-6	W Mehrez, M Najjar

: Evaluating the Impact of Perceptually Uniform Encoding on the Performance of Feature Descriptors for HDR Image Retrieval	INSTIA, 2023	R. Khwildi, A. Ouled Zaid, Frédéric Dufaux
Real-time design patterns for the verification of safety-critical embedded systems in model-based approach	The Journal of Supercomputing, 1-43	R Mzid
A reinforcement learning-based approach for online optimal control of self-adaptive real-time systems	Neural Computing and Applications 35 (27), 20375-20401	B Haouari, R Mzid, O Mosbahi
<u>On Language-Based Opacity Verification Problem in Discrete Event Systems Under Orwellian Observation</u>	International Conference on Verification and Evaluation of Computer	S Habbachi, I Ben Hafaiedh, Z Li, M Krichen
Exploring modified areas for updating influential nodes	Information Systems 112, 102132	W Karoui, N Hafiene, LB Romdhane
Robust Interval State Observer Method for Linear Switched Systems	2023 IEEE International Conference on Advanced Systems and Emergent Technologies (IC_ASET)	Wissal Khemiri; Ali Sghaier Tlili
CoMod: An Abstractive Approach to Discourse Context Identification	IEEE Access	R Guetari, N Kraiem
Computer-aided diagnosis systems: a comparative study of classical machine learning versus deep learning-based approaches	Knowledge and Information Systems, 1-41	R Guetari, H Ayari, H Sakly

Brain Tumor Radiogenomic Classification of O ⁶ -Methylguanine-DNA Methyltransferase Promoter Methylation in Malignant Gliomas-Based Transfer Learning	Cancer Control 30, 10732748231169149	H Sakly, M Said, J Seekins, R Guetari, N Kraiem, M Marzougui
Adaptive PID gain-scheduling for 3D smart quadrotor flight controller	Authorea Preprints	W Arfa, CB Jabeur, Y Faleh, H Seddik
Automatic triaging of acute ischemic stroke patients for reperfusion therapies using Artificial Intelligence methods and multiple MRI features: A review	Clinical Imaging, 109992	IB Alaya, H Limam, T Kraiem
A novel hybrid approach for feature selection enhancement: COVID-19 case study	Computer Methods in Biomechanics and Biomedical Engineering 26 (10), 1183-1197	H Limam, O Hasni, IB Alaya
A systematic review on moving objects' trajectory data and trajectory data warehouse modeling	Computer Science Review 47, 100516	W Oueslati, S Tahri, H Limam, J Akaichi
Automatic Detection of Implicit and Typical Implementation of Singleton Pattern Based on Supervised Machine Learning.	ICAART (3), 202-210	A Nacef, S Bahroun, A Khalfallah, SB Ahmed

Supervised Machine Learning for Recovering Implicit Implementation of Singleton Design Pattern.	ENASE, 354-361	A Nacef, S Bahroun, A Khalfallah, SB Ahmed
Online handwritten scripts classification using fuzzy attributed relational graphs	International Journal of Machine Learning and Cybernetics, 1-18	R Zitouni, H Bezine, N Arous
Crisis management within the social system theory retrospective and prospective analysis of COVID-19 crisis in tourism and hospitality	International Journal of Knowledge Management in Tourism and Hospitality	AB Yahia, F Choura, SB Saad
Towards better interaction between salespeople and consumers: the role of virtual recommendation agent	European Journal of Marketing 57 (3), 858-903	S Ben Saad, F Choura
A comprehensive review of video watermarking technique in deep learning environments	International Conference on Cyberworlds (CW), 70-77	S Mansour, SB Jabra, E Zagrouba
An Efficient Anaglyph 3D Content based Video Retrieval using Watermarking Technique	International Conference on Cyberworlds (CW), 157-164	D Dhaou, SB Jabra, E Zagrouba
Unraveling the Black Box: Interpreting CNNs for Leaf Disease Detection through Model Analysis and Feature Importance	International Conference on Innovations in Intelligent Systems	H Ghazouani, W Barhoumi, G Jeon, E Zagrouba

Generalized Multi-modal Medical Image Fusion Method using NSML and WLF in NSST Domain and YIQ color space	International Conference on Innovations in Intelligent Systems	H Ouerghi, O Mourali, E Zagrouba
Hierarchical convolutional neural networks for leaf disease detection	IEEE International Conference on Fuzzy Systems (FUZZ), 1-6	E Chakroun, H Ghazouani, W Barhoumi, E Zagrouba, G Jeon
Explainable AI for Deep Learning Based Potato Leaf Disease Detection	IEEE International Conference on Fuzzy Systems (FUZZ), 1-6	S Bengamra, E Zagrouba, A Bigand
Multi-View-Based Apple Maturity Classification Using Similarity Network Fusion Versus Classical Machine Learning Classifiers	2023 IEEE International Conference on Fuzzy Systems (FUZZ), 1-6	A Elaoud, W Barhoumi, E Zagrouba
Explainable AI for deep learning based potato leaf disease detection	2023 IEEE International Conference on Fuzzy Systems	SB Bidouk, E Zagrouba, A Bigand
A new efficient anaglyph 3D image and video watermarking technique minimizing generation deficiencies	Multimedia Tools and Applications, 1-31	SB Jabra, E Zagrouba, MB Farah
An eXplainable Artificial Intelligence Method for Deep Learning-Based Face Detection in Paintings	2023 IEEE Symposium on Computers and Communications (ISCC), 745-751	S Bengamra, E Zagrouba, A Bigand

A comprehensive survey on object detection in Visual Art: taxonomy and challenge Multimedia Tools and Applications, 1-34		S Bengamra, O Mzoughi, A Bigand, E Zagrouba
Towards Explainability in Using Deep Learning for Face Detection in Paintings	12th International Conference on Pattern Recognition Applications	S Bengamra, O Mzoughi, A Bigand, E Zagrouba
A Robust Deep Learning-Based Video Watermarking Using Mosaic Generation		S Mansour, SB Jabra, E Zagrouba
Deep 3D-LBP: CNN-based fusion of shape modeling and texture descriptors for accurate face recognition	The Visual Computer 39 (1), 239-254	S Bahroun, R Abed, E Zagrouba