1. Record Nr. UNINA9910488722503321

| | |
|---|---|
| Titolo | Proceedings of the 22nd Engineering Applications of Neural Networks Conference : EANN 2021 / / edited by Lazaros Iliadis, John Macintyre, Chrisina Jayne, Elias Pimenidis |
| Pubbl/distr/stampa | Cham : , : Springer International Publishing : , : Imprint : Springer, , 2021 |
| ISBN | 3-030-80568-9 |
| Edizione | [1st ed. 2021.] |
| Descrizione fisica | 1 online resource (545 pages) : illustrations (chiefly color) |
| Collana | Proceedings of the International Neural Networks Society, , 2661-815X ; ; 3 |
| Disciplina | 006.32 |
| Soggetti | Computational intelligence<br>Engineering - Data processing<br>Artificial intelligence<br>Computational Intelligence<br>Data Engineering<br>Artificial Intelligence |
| Lingua di pubblicazione | Inglese |
| Formato | Materiale a stampa |
| Livello bibliografico | Monografia |
| Nota di contenuto | Automatic Facial Expression Neutralisation Using Generative Adversarial Network -- Creating Ensembles of Generative Adversarial Network Discriminators for One-class Classification -- A Hybrid Deep Learning Ensemble for Cyber Intrusion Detection -- Anomaly Detection by Robust Feature Reconstruction -- Deep Learning of Brain Asymmetry Images and Transfer Learning for Early Diagnosis of Dementia -- Deep learning topology-preserving EEG-based images for autism detection in infants -- Improving the Diagnosis of Breast Cancer by Combining Visual and Semantic Feature Descriptors -- Liver cancer trait detection and classification through Machine Learning on smart mobile devices. |
| Sommario/riassunto | This book contains the proceedings of the 22nd EANN “Engineering Applications of Neural Networks” 2021 that comprise of research papers on both theoretical foundations and cutting-edge applications of artificial intelligence. Based on the discussed research areas, emphasis is given in advances of machine learning (ML) focusing on the |

following algorithms-approaches: Augmented ML, autoencoders, adversarial neural networks, blockchain-adaptive methods, convolutional neural networks, deep learning, ensemble methods, learning-federated learning, neural networks, recurrent – long short-term memory. The application domains are related to: Anomaly detection, bio-medical AI, cyber-security, data fusion, e-learning, emotion recognition, environment, hyperspectral imaging, fraud detection, image analysis, inverse kinematics, machine vision, natural language, recommendation systems, robotics, sentiment analysis, simulation, stock market prediction.