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Collana	Information Systems and Applications, incl. Internet/Web, and HCI ; ; 11886
Disciplina	004.019
Soggetti	Database management Application software Machine learning Optical data processing Software engineering Database Management Computer Applications Machine Learning Computer Imaging, Vision, Pattern Recognition and Graphics Software Engineering/Programming and Operating Systems
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Classification of Motor Imagery EEG Signal for Navigation of Brain Controlled Drones -- Monitoring Post-Stroke Motor Rehabilitation Using EEG Analysis -- Wavelet Transform Selection Method for Biological Signal Treatment -- Fuzzy Inference System for Classification of Electroencephalographic (EEG) Data -- Empirical Mode Decomposition Algorithms for Classification of Single-Channel EEG Manifesting McGurk Effect -- Abstractive Text Summarization Using Enhanced Attention Model -- Highlighted Word Encoding for Abstractive Text Summarization -- Detection of Hate and Offensive Speech in Text -- Deep Learning for Hindi Text Classification : A

Comparison -- A Stacked Ensemble Approach to Bengali Sentiment Analysis -- Computing with Words Through Interval Type-2 Fuzzy Sets for Decision Making Environment -- RNN Based Language Generation Models for a Hindi Dialogue System -- Bengali Handwritten Character Classification Using Transfer Learning on Deep Convolutional Network -- Predicting Body Size Using Mirror Selfies -- Retinal Vessel Classification Using the Non-Local Retinex Method -- Rule Generation of Cataract Patient Data Using Random Forest Algorithm -- Yawn Detection for Driver's Drowsiness Prediction Using Bi-Directional LSTM with CNN Features -- Robotic Intervention for Elderly - A Rehabilitation Aid for Better Living -- ccaROS: A ROS Node for Cognitive Collaborative Architecture for an Intelligent Wheelchair -- IoT Monitoring of Water Consumption for Irrigation Systems Using SEMMA Methodology -- Extracting Community Structure in Multi-Relational Network via DeepWalk and Consensus Clustering -- Virtual-Reality Training Under Varying Degrees of Task Difficulty in a Complex Search-and-Shoot Scenario -- Ghyph Reader App: Multisensory Stimulation through ICT to Intervene Literacy Disorders in the Classroom -- Cyclon Language First Grade App: Technological Platform to Support the Construction of Citizen and Democratic Culture of Science, Technology and Innovation in Children and Youth Groups -- Quadrotor Modeling and a PID Control Approach. .

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### Sommario/riassunto

This volume constitutes the proceedings of the 11th International Conference on Intelligent Human Computer Interaction, IHCI 2019, held in Allahabad, India, in December 2019. The 25 full papers presented in this volume were carefully reviewed and selected from 73 submissions. The papers are grouped in the following topics: EEG and other biological signal based interactions; natural language, speech and dialogue processing; vision based interactions; assistive living and rehabilitation; and applications of HCI. .

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