1. Record Nr. UNINA990009308660403321

Titolo	Brook / études de G. Banu [et al.] ; textes de Peter Brook [...] ; réunies et présentés par G. Banu
Pubbl/distr/stampa	Paris : Editions du Centre National de la recherche Scientifique, 1985
ISBN	2-222-03614-3
Descrizione fisica	402 p. : ill. ; 28 cm
Collana	Les voies de la création théâtrale ; 13.
Disciplina	792.02330924
Locazione	FLFBC
Collocazione	792.023 BRO 1
Lingua di pubblicazione	Francese
Formato	Materiale a stampa
Livello bibliografico	Monografia

2. Record Nr. UNISA996466446703316

Titolo	Brain Informatics [[electronic resource]] : International Conference, BI 2017, Beijing, China, November 16-18, 2017, Proceedings / / edited by Yi Zeng, Yong He, Jeanette Hellgren Kotaleski, Maryann Martone, Bo Xu, Hanchuan Peng, Qingming Luo
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2017
ISBN	3-319-70772-8
Edizione	[1st ed. 2017.]
Descrizione fisica	1 online resource (XVI, 336 p. 100 illus.)
Collana	Lecture Notes in Artificial Intelligence ; ; 10654
Disciplina	006.32
Soggetti	Artificial intelligence Pattern recognition Optical data processing User interfaces (Computer systems) Data mining Operating systems (Computers) Artificial Intelligence Pattern Recognition Image Processing and Computer Vision User Interfaces and Human Computer Interaction

	Data Mining and Knowledge Discovery Operating Systems
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	Intro -- Preface -- Organization -- Contents -- Cognitive and Computational Foundations of Brain Science -- Speech Emotion Recognition Using Local and Global Features -- 1 Introduction -- 2 Materials and Methods -- 2.1 Database -- 2.2 Features for Speech Emotion Recognition -- 3 Results/Discussion -- 3.1 Classification Results for EMODB -- 3.2 Classification Results for RAVDESS -- 3.3 SFFS -- 4 Conclusions -- References -- Advertisement and Expectation in Lifestyle Changes: A Computational Model -- 1 Introduction -- 2 Temporal-Causal Modeling -- 3 The Computational Model -- 3.1 Graphical Representation of the Model -- 3.2 Numerical Representations and Parameters -- 4 Simulation Experiments -- 4.1 Hypotheses -- 4.2 Scenarios and Results -- 4.3 Explanation -- 5 Conclusion -- References -- A Computational Cognitive Model of Self-monitoring and Decision Making for Desire Regulation -- Abstract -- 1 Introduction -- 2 Background -- 3 Conceptual Representation of the Model -- 3.1 Desire Generation and Choosing Actions -- 3.2 Self-monitoring and Regulation Strategies -- 3.3 Numerical Representation of the Model -- 4 Simulation Results -- 5 Conclusion -- References -- Video Category Classification Using Wireless EEG -- Abstract -- 1 Introduction -- 2 Experimental Setup and Data Acquisition Techniques -- 2.1 Demographics of Subjects -- 2.2 EEG Recordings -- 2.3 Experimental Setup -- 3 Experimental Study and Findings -- 3.1 Algorithms and Methods -- 3.2 Experimental Results -- 4 Discussion -- 5 Conclusion -- References -- Learning Music Emotions via Quantum Convolutional Neural Network -- 1 Introduction -- 2 Related Work on Quantum Information -- 3 Quantum Convolutional Neural Network for Music Emotion Analysis -- 3.1 Rationale -- 3.2 Quantum Convolutional Neural Network -- 4 Experiments -- 5 Conclusions -- References. Supervised EEG Source Imaging with Graph Regularization in Transformed Domain -- 1 Introduction -- 2 Inverse Problem -- 3 Graph Regularized EEG Source Imaging in Transformed Domain -- 3.1 EEG Source Imaging in Transformed Domain -- 3.2 Discriminative Source Reconstruction with Graph Regularization -- 4 Optimization with ADMM Algorithm -- 5 Numerical Experiment -- 6 Conclusion -- References -- Insula Functional Parcellation from FMRI Data via Improved Artificial Bee-Colony Clustering -- 1 Introduction -- 2 Related Content -- 2.1 Insula Functional Parcellation Based on FMRI Data -- 2.2 Artificial Bee Colony (ABC) Algorithm -- 3 DABCC Algorithm -- 3.1 Food Source Representation -- 3.2 Initialization -- 3.3 Self-adaptive Multidimensional Search Mechanism Based on Difference Bias for Employed Bee Search -- 3.4 Algorithm Description -- 4 Experimental Results and Analysis -- 4.1 Data Description and Preprocessing -- 4.2 Evaluation Metrics -- 4.3 Search Capability -- 4.4 Parcellation Results -- 4.5 Functional Consistency -- 5 Conclusion -- References -- EEG-Based Emotion Recognition via Fast and Robust

Feature Smoothing -- 1 Introduction -- 2 Related Work -- 3 Moving Average Smoothing on Statistical Feature Set -- 3.1 Feature Extraction -- 3.2 Moving Average Smoothing on Extracted Features -- 3.3 Classification Algorithm -- 4 Emotion Recognition on DEAP Dataset -- 4.1 Experimental Setup -- 4.2 Results and Discussions -- 5 Conclusion -- References -- Human Information Processing Systems -- Stronger Activation in Widely Distributed Regions May not Compensate for an Ineffectively Connected Neural Network When Reading a Second Language -- Abstract -- 1 Introduction -- 2 Methods -- 2.1 Participants -- 2.2 Materials -- 2.3 Experimental Procedure -- 2.4 Data Acquisition -- 2.5 Data Processing -- 3 Results -- 4 Discussion. 4.1 Assimilated and Accommodated Neural Network for L2 -- 4.2 Stronger Activation but an Ineffectively Connected Neural Network -- Acknowledgments -- References -- Objects Categorization on fMRI Data: Evidences for Feature-Map Representation of Objects in Human Brain -- Abstract -- 1 Introduction -- 2 Method -- 2.1 Subjects and fMRI Data Acquisition -- 2.2 Stimuli and Experimental Procedure -- 2.3 Data Preprocessing -- 2.4 Voxel Selection -- 2.5 SVM Method -- 3 Results -- 3.1 Classification Results for One vs. One Classifiers -- 3.2 Classification Results for One vs. Two Classifiers -- 3.3 Classification Results for Two vs. Two Classifiers -- 3.4 Classification Results for Regions Maximally Responsive to One Category of Objects -- 4 Discussion and Conclusions -- Acknowledgments -- References -- Gender Role Differences of Female College Students in Facial Expression Recognition: Evidence from N170 and VPP -- Abstract -- 1 Introduction -- 2 Materials and Methods -- 2.1 Participants -- 2.2 Stimuli -- 2.3 Experimental Procedure -- 2.4 Behavioral Data Analysis -- 2.5 EEG Recordings and Analysis -- 3 Results -- 3.1 Behavioral Results -- 3.2 ERP Results -- 4 Discussion -- 4.1 Gender Role Differences on Facial Expression Recognition: Evidence on Early ERP Components -- 4.2 Emotional Negativity Bias: Evidence on VPP -- 4.3 Emotion Congruency: Evidence on Behavior -- 5 Conclusion -- Acknowledgments -- References -- Brain Big Data Analytics, Curation and Management -- Overview of Acquisition Protocol in EEG Based Recognition System -- Abstract -- 1 Introduction -- 2 Signal Acquisition -- 2.1 The Noninvasive Electroencephalography Method -- 3 EEG Signal Based Recognition System -- 3.1 Relaxation -- 3.2 Motor/Non-motor Imaginary -- 3.3 Exposed to Stimuli (Evoked Potentials) -- 4 Analysis and Discussions -- 5 Conclusion -- Acknowledgments -- References.
A Study on Automatic Sleep Stage Classification Based on Clustering Algorithm -- Abstract -- 1 Introduction -- 2 Related Work -- 3 Automatic Sleep Staging Classification Algorithm Based on K-Means Clustering -- 3.1 Denoising -- 3.2 Feature Extraction and Feature Selection -- 3.3 Automatic Sleep Stage Classification Based on Improving K-Means Algorithm -- 4 Experimental Results and Analysis -- 4.1 Sleep Data Set -- 4.2 Evaluation Metrics -- 4.3 Experimental Results and Discussion -- 5 Conclusion -- References -- Speaker Verification Method Based on Two-Layer GMM-UBM Model in the Complex Environment -- 1 Introduction -- 2 Methods -- 2.1 Voice Data Acquisition and Preprocessing -- 2.2 Feature Extraction -- 2.3 Speaker Verification Architecture Based on Two-Layer GMM-UBM Model -- 3 Results -- 3.1 Evaluation Criterion -- 3.2 GMM-UBM Speaker Verification Based on Segmented Voice Data -- 3.3 GMM-UBM Speaker Verification Based on Continuous Long-Term Voice Data -- 4 Discussion -- References -- Emotion Recognition from EEG Using Rhythm Synchronization Patterns with Joint Time-Frequency-Space Correlation -- 1 Introduction -- 2 Architecture of Emotional

Recognition Model Based on Rhythm Synchronization Patterns (RSP-ERM) -- 2.1 Functions of Each Layer -- 2.2 Defining Emotional States - Class Label -- 3 Experimental Design -- 3.1 Data Description -- 3.2 Learning and Testing Process -- 3.3 Contrast Methods -- 4 Experimental Results and Discussion -- 5 Conclusions -- References -- Informatics Paradigms for Brain and Mental Health -- Patients with Major Depressive Disorder Alters Dorsal Medial Prefrontal Cortex Response to Anticipation with Different Saliences -- Abstract -- 1 Introduction -- 2 Methods -- 2.1 Subjects -- 2.2 Task Design -- 2.3 Data Acquisition and Analysis -- 3 Results -- 3.1 Anticipation Period Findings.
3.2 The Findings of Anticipation Effect on Picture Viewing -- 4 Discussion -- Acknowledgment -- References -- Abnormal Brain Activity in ADHD: A Study of Resting-State fMRI -- Abstract -- 1 Introduction -- 2 Method -- 2.1 Dataset -- 2.2 Image Processing -- 3 Statistics Analysis -- 4 Result -- 4.1 The Comparison of ALFF, fALFF and ReHo Between Two Groups -- 4.2 The Comparison of ALFF, fALFF and ReHo of Two Age Groups -- 5 Discussion -- Acknowledgements -- References -- Wearable EEG-Based Real-Time System for Depression Monitoring -- 1 Introduction -- 2 Related Work -- 3 Methodology -- 4 Making Sense of the Raw Data -- 4.1 Hardware -- 4.2 Resting EEG -- 4.3 Stimulus -- 4.4 Real-Time Signal Preprocessing -- 4.5 Feature Extraction -- 4.6 Classification -- 4.7 Visualization -- 5 Experiment -- 5.1 Participants -- 5.2 Results -- 6 Conclusions and Future Work -- References -- Group Guided Sparse Group Lasso Multi-task Learning for Cognitive Performance Prediction of Alzheimer's Disease -- 1 Introduction -- 2 Proposed Method -- 2.1 Group Guided Sparse Group Lasso Multi-task Learning -- 2.2 Optimization -- 3 Experimental Results -- 3.1 Data and Experimental Setting -- 3.2 The Results of Comparing with the Comparable Methods -- 3.3 Identification of MRI Biomarkers -- 4 Conclusions -- References -- A Novel Deep Learning Based Multi-class Classification Method for Alzheimer's Disease Detection Using Brain MRI Data -- 1 Introduction -- 2 Related Work -- 3 Proposed Network Architecture -- 4 Experiments -- 4.1 Dataset -- 4.2 Implementation Details -- 4.3 Results -- 5 Conclusion -- References -- A Quantitative Analysis Method for Objectively Assessing the Depression Mood Status Based on Portable EEG and Self-rating Scale -- 1 Introduction -- 2 Material and Method -- 2.1 Experimental Design -- 2.2 Data Analysis -- 3 Results.
3.1 Depressive Mood Status Assessment Based on POMS-BCN Data.

Sommario/riassunto

This book constitutes the refereed proceedings of the International Conference on Brain Informatics, BI 2017, held in Beijing, China, in November 2017. The 31 revised full papers were carefully reviewed and selected from 64 submissions. BI addresses the computational, cognitive, physiological, biological, physical, ecological and social perspectives of brain informatics, as well as topics related to mental health and well-being.

3.	Record Nr.	UNINA9910984585403321
	Autore	Redko Vladimir
	Titolo	Advances in Neural Computation, Machine Learning, and Cognitive Research VIII : Selected Papers from the XXVI International Conference on Neuroinformatics, October 21-25, 2024, Moscow, Russia / / edited by Vladimir Redko, Dmitry Yudin, Witali Dunin-Barkowski, Boris Kryzhanovsky, Yury Tiumentsev
	Pubbl/distr/stampa	Cham : , : Springer Nature Switzerland : , : Imprint : Springer, , 2025
	ISBN	9783031804632 9783031804625
	Edizione	[1st ed. 2025.]
	Descrizione fisica	1 online resource (764 pages)
	Collana	Studies in Computational Intelligence, , 1860-9503 ; ; 1179
	Altri autori (Persone)	YudinDmitry Dunin-BarkowskiWitali KryzhanovskyBoris TiumentsevYury
	Disciplina	006.3
	Soggetti	Computational intelligence Machine learning Neural networks (Computer science) Computational Intelligence Machine Learning Mathematical Models of Cognitive Processes and Neural Networks
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Sommario/riassunto	This book describes new theories and applications of artificial neural networks, with a special focus on answering questions in neuroscience, biology and biophysics and cognitive research. It covers a wide range of methods and technologies, including deep neural networks, large-scale neural models, brain–computer interface, signal processing methods, as well as models of perception, studies on emotion recognition, self-organization and many more. The book includes both selected and invited papers presented at the XXVI International Conference on Neuroinformatics, held on October 21–25, 2024, in Moscow, Russia.