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| 1. Record Nr.           | UNISA996466631903316                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Titolo                  | Stochastic partial differential equations and applications . II Proceedings of a Conference held in Trento, Italy February 1-6, 1988. // Giuseppe Prato, Luciano Tubaro, editors                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Pubbl/distr/stampa      | Berlin : , : Springer-Verlag, , [1989]<br>©1989                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| ISBN                    | 3-540-48200-8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Edizione                | [1st ed. 1989.]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Descrizione fisica      | 1 online resource (VIII, 268 p.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Collana                 | Lecture notes in mathematics ; ; 1390                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Classificazione         | 60H15                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Disciplina              | 510                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Soggetti                | Mathematics                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Lingua di pubblicazione | Inglese                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Formato                 | Materiale a stampa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Livello bibliografico   | Monografia                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Note generali           | Bibliographic Level Mode of Issuance: Monograph                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Nota di contenuto       | A covariant Feynman-Kac formula for unitary bundles over euclidean space -- On the integrated formulation of Zakai and Kushner equations -- Lattice approximation in the stochastic quantization of $(\varphi^2)_2$ fields1 -- The support of the density of a filter in the uncorrelated case -- Variational inequalities for the control of stochastic partial differential equations -- Generalized solutions of stochastic evolution equations -- On the relation of anticipative Stratonovich and symmetric integrals: A decomposition formula -- Some applications of quantum probability to stochastic differential equations in Hilbert space -- The stability of stochastic partial differential equations and applications. Theorems on supports -- Weak convergence of solutions of stochastic evolution equations on nuclear spaces -- A stochastic reaction-diffusion model -- Stochastic partial differential equations of generalized Brownian functionals -- Viscosity solutions of fully nonlinear second order equations and optimal stochastic control in infinite dimensions. Part II: Optimal control of Zakai's equation -- A generalized equation for a continuous measure branching process -- Mesures cylindriques et distributions sur l'espace de Wiener -- A summary of some identities of the Malliavin calculus -- A Lie algebraic criterion for non-existence of finite dimensionally computable filters -- A generalization of Wahba's theorem on the equivalence between spline smoothing and Bayesian estimation -- A connection between the expansion of filtrations and |

Girsanov's theorem -- White noise in space and time as the time-derivative of a cylindrical Wiener process -- Large deviations for non-linear radonifications of white noise -- Symmetric solutions of semilinear stochastic equations.

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|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2. Record Nr.           | UNISA996466277403316                                                                                                                                                                                                                                                                                     |
| Titolo                  | Neural Information Processing [[electronic resource] ] : 19th International Conference, ICONIP 2012, Doha, Qatar, November 12-15, 2012, Proceedings, Part I // edited by Tingwen Huang, Zhigang Zeng, Chuandong Li, Chi Sing Leung                                                                       |
| Pubbl/distr/stampa      | Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2012                                                                                                                                                                                                                     |
| ISBN                    | 3-642-34475-5                                                                                                                                                                                                                                                                                            |
| Edizione                | [1st ed. 2012.]                                                                                                                                                                                                                                                                                          |
| Descrizione fisica      | 1 online resource (XXII, 708 p. 263 illus.)                                                                                                                                                                                                                                                              |
| Collana                 | Theoretical Computer Science and General Issues, , 2512-2029 ; ; 7663                                                                                                                                                                                                                                    |
| Disciplina              | 006.32                                                                                                                                                                                                                                                                                                   |
| Soggetti                | Computer science<br>Artificial intelligence<br>Pattern recognition systems<br>Data mining<br>Computer simulation<br>Computer vision<br>Theory of Computation<br>Artificial Intelligence<br>Automated Pattern Recognition<br>Data Mining and Knowledge Discovery<br>Computer Modelling<br>Computer Vision |
| Lingua di pubblicazione | Inglese                                                                                                                                                                                                                                                                                                  |
| Formato                 | Materiale a stampa                                                                                                                                                                                                                                                                                       |
| Livello bibliografico   | Monografia                                                                                                                                                                                                                                                                                               |
| Note generali           | Bibliographic Level Mode of Issuance: Monograph                                                                                                                                                                                                                                                          |
| Nota di bibliografia    | Includes bibliographical references and index.                                                                                                                                                                                                                                                           |
| Nota di contenuto       | Does Social Network Always Promote Entrepreneurial Intentions? Part I: Theoretical Model -- Association of Anti-Histamine Drugs with Brain Tumor -- Estimating Principal Point and Nonlinear Parameters of                                                                                               |

Camera from a Planar Calibration Image -- Design of Distribution Independent Noise Filters with Online PDF Estimation -- Determining Effective Connectivity from fMRI Data Using a Gaussian Dynamic Bayesian Network -- Transient-Time Fractional-Space Trigonometry and Application -- Understanding Individual Play Sequences Using Growing Self Organizing Maps -- Audio-Visual Feature Fusion for Speaker Identification -- Decoding Cognitive States from Neural Activities of Somatosensory Cortex -- Cognitive Modeling of Dilution Effects in Visual Search -- Complexity Analysis of EEG Data during Rest State and Visual Stimulus -- Analysis of Alertness Status of Subjects Undergoing the Cortical Auditory Evoked Potential Hearing Test -- Price Forecasting Using Dynamic Assessment of Market Conditions and Agent's Bidding Behavior.- Non-convex Optimization on Stiefel Manifold and Applications to Machine Learning -- Local Patch Dissimilarity for Images -- Nearly Optimal Control for Nonlinear Systems with Dead-Zone Control Input Based on the Iterative ADP Approach -- A Memetic Approach for the Knowledge Extraction -- Development of a Novel Conversational Calculator Based on Remote Online Computation -- Load Forecasting Accuracy through Combination of Trimmed Forecasts -- Self Organizing Maps for Visualization of Categories -- Learning Anticipation through Priming in Spatio-temporal Neural Networks -- Set-Similarity Joins Based Semi-supervised Sentiment Analysis -- An Architecture to Efficiently Learn Co-Similarities from Multi-view Datasets -- Incremental Face Recognition: Hybrid Approach Using Short-Term Memory and Long-Term Memory -- A Psychophysiological Analysis of Weak Annoyances in Human Computer Interfaces -- Neural and Speech Indicators of Cognitive Load for Sudoku Game Interfaces -- Generalized Hamilton-Jacobi-Isaacs Formulation-Based Neural Network H Control for Constrained Input Nonlinear Systems.- Decomposition of the Transfer Entropy: Partial Conditioning and Informative Clustering -- Emotion Recognition Using KNN Classification for User Modeling and Sharing of Affect States -- FPGA Implementation of a Cortical Network Based on the Hodgkin-Huxley Neuron Model -- Future Prediction with Hierarchical Episodic Memories under Deterministic and Stochastic Environments -- SDE-Driven Service Provision Control -- ICHEA – A Constraint Guided Search for Improving Evolutionary Algorithms -- Adaptive Dynamic Control of Quadrupedal Robotic Gaits with Artificial Reaction Networks.- Bifurcation Analysis of a Two-Dimensional Simplified Hodgkin-Huxley Model Exposed to External Electric Fields. - A Sequential Data Mining Method for Modelling Solar Magnetic Cycles -- Steady-State Visually Evoked Potential (SSVEP)-Based Brain-Computer Interface (BCI): A Low-Delayed Asynchronous Wheelchair Control System -- Weak Projective Lag Synchronization of Neural Networks with Time Delay and Parameter Mismatch -- Measuring Stress-Reducing Effects of Virtual Training Based on Subjective Response -- Calibration of Low Density EEG Sensor Arrays for Brain Source Localization -- A Novel Ontological Technique for Sentiment Analysis -- Learning Temporal Coherent Features through Life-Time Sparsity.- The Circuit Realization of a Neuromorphic Computing System with Memristor-Based Synapse Design -- Discriminative Feature Analysis and Selection for Document Classification -- Training Minimum Enclosing Balls for Cross Tasks Knowledge Transfer -- Structures of Surround Modulation for the Border-Ownership Selectivity of V2 Cells -- Characterisation of Information Flow in an Izhikevich Network -- Estimating Brain Activity of Motor Learning by Using fNIRS-GLM Analysis -- Double Approximate Identity Neural Networks Universal Approximation in Real Lebesgue Spaces -- Stabilizing

Relaxed Nonlinear FMA Yields a (Combinatorial) Optimizer -- Iterative Evolutionary Subspace Clustering -- Dynamic Health Level 7 Packetizer for On-the-Fly Integrated Healthcare Enterprises (IHE) in Disaster Zones -- Budgeted Knowledge Transfer for State-Wise Heterogeneous RL Agents.- Supervised Isomap Based on Pairwise Constraints -- r-Anonymized Clustering -- Improved Differential Evolution via Cuckoo Search Operator -- Modelling Temporal Aspects of Situation Awareness -- Apparent Volitional Behavior Selection Based on Memory Predictions -- Sampling Normal Distribution Restricted on Multiple Regions -- An Estimation of Cell Forces with Hierarchical Bayes Approach Considering Cell Morphology -- Simultaneous Feature Selection and Clustering Using Particle Swarm Optimization -- Hybrid Online Non-negative Matrix Factorization for Clustering of Documents -- Retrieval of Semantic Concepts Based on Analysis of Texts for Automatic Construction of Ontology -- Statistical Analysis of Arabic Phonemes Used in Arabic Speech Recognition -- Manifold Analysis of Spectral Munsell Colors -- Discrete-Time Hopfield Neural Network Based Text Clustering Algorithm -- Trust and Equity Theory in Prisoner's Dilemma -- Fault Diagnosis of a High-Speed Automaton Based on Structure Vibration Response Analysis -- Over-Sampling from an Auxiliary Domain -- Decoding Network Activity from LFPs: A Computational Approach -- Evolutionary Design of the Closed Loop Control on the Basis of NN-ANARX Model Using Genetic Algorithm -- Psychophysiological Evaluation of Task Complexity and Cognitive Performance in a Human Computer Interface Experiment -- Interval-Valued Fuzzy Extension of Formal Concept Analysis for Information Retrieval -- Approximation of Feature Vectors in Nonnegative Matrix Factorization with Gaussian Radial Basis Functions -- RAFNI: Robust Analysis of Functional NeuroImages with Non-normal -Stable Error -- Authorship Attribution of Electronic Documents Comparing the Use of Normalized Compression Distance and Support Vector Machine in Authorship Attribution -- Semantic Levels of Domain-Independent Commonsense Knowledgebase for Visual Indexing and Retrieval Applications -- Automated Segmentation and Tracking of Dynamic Focal Adhesions in Time-Lapse Fluorescence Microscopy -- Towards IMACA: Intelligent Multimodal Affective Conversational Agent -- The Optimal Control of Discrete-Time Delay Nonlinear System with Dual Heuristic Dynamic Programming -- Towards Applying Associative Classifier for Genetic Variants.- Brain Computer Interfacing Using Humour and Memory Recall -- On the Reconstruction of Genetic Network from Partial Microarray Data. Association of Anti-Histamine Drugs with Brain Tumor -- Estimating Principal Point and Nonlinear Parameters of Camera from a Planar Calibration Image -- Design of Distribution Independent Noise Filters with Online PDF Estimation -- Determining Effective Connectivity from fMRI Data Using a Gaussian Dynamic Bayesian Network -- Transient-Time Fractional-Space Trigonometry and Application -- Understanding Individual Play Sequences Using Growing Self Organizing Maps -- Audio-Visual Feature Fusion for Speaker Identification -- Decoding Cognitive States from Neural Activities of Somatosensory Cortex -- Cognitive Modeling of Dilution Effects in Visual Search -- Complexity Analysis of EEG Data during Rest State and Visual Stimulus -- Analysis of Alertness Status of Subjects Undergoing the Cortical Auditory Evoked Potential Hearing Test -- Price Forecasting Using Dynamic Assessment of Market Conditions and Agent's Bidding Behavior.- Non-convex Optimization on Stiefel Manifold and Applications to Machine Learning -- Local Patch Dissimilarity for Images -- Nearly Optimal Control for Nonlinear Systems with Dead-Zone Control Input Based on the Iterative ADP

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 Online Computation -- Load Forecasting Accuracy through  
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 Term Memory -- A Psychophysiological Analysis of Weak Annoyances  
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 Constraint Guided Search for Improving Evolutionary Algorithms --  
 Adaptive Dynamic Control of Quadrupedal Robotic Gaits with Artificial  
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 Simplified Hodgkin-Huxley Model Exposed to External Electric Fields.  
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 Response -- Calibration of Low Density EEG Sensor Arrays for Brain  
 Source Localization -- A Novel Ontological Technique for Sentiment  
 Analysis -- Learning Temporal Coherent Features through Lif.

#### Sommario/riassunto

The five volume set LNCS 7663, LNCS 7664, LNCS 7665, LNCS 7666  
 and LNCS 7667 constitutes the proceedings of the 19th International  
 Conference on Neural Information Processing, ICONIP 2012, held in  
 Doha, Qatar, in November 2012. The 423 regular session papers  
 presented were carefully reviewed and selected from numerous  
 submissions. These papers cover all major topics of theoretical  
 research, empirical study and applications of neural information  
 processing research. The 5 volumes represent 5 topical sections  
 containing articles on theoretical analysis, neural modeling, algorithms,  
 applications, as well as simulation and synthesis.