Record Nr. UNINA9910254231603321 Proceedings of Fifth International Conference on Soft Computing for **Titolo** Problem Solving [[electronic resource]]: SocProS 2015, Volume 2 // edited by Millie Pant, Kusum Deep, Jagdish Chand Bansal, Atulya Nagar, Kedar Nath Das Pubbl/distr/stampa Singapore:,: Springer Singapore:,: Imprint: Springer,, 2016 **ISBN** 981-10-0451-X Edizione [1st ed. 2016.] Descrizione fisica 1 online resource (1021 p.) Collana Advances in Intelligent Systems and Computing, , 2194-5357;; 437 Disciplina 620 Computational intelligence Soggetti Signal processing Image processing Speech processing systems Artificial intelligence Computational Intelligence Signal, Image and Speech Processing Artificial Intelligence Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Description based upon print version of record. Nota di bibliografia Includes bibliographical references and index. Nota di contenuto Chapter 1. Traffic Accident Prediction Model Using Support Vector Machines with Gaussian Kernel -- Chapter 2. A Brief Overview on Least Square Spectral Analysis and Power Spectrum -- Chapter 3. ASCCS: Architecture for Secure Communication Using Cloud Services --Chapter 4. Multi-Objective Optimization Based Design of Robust Fractional Order PID Controller for Coupled Tank Systems -- Chapter 5. Using Least Square Spectral Analysis Method for Time Series with Datum Shifts -- Chapter 6. Application of Differential Evolution for Maximizing the Load Ability Limit of Transmission System During Contingency -- Chapter 7. Common Fixed Point Theorem for Occasionally Weakly Compatible Mappings in Fuzzy Metric Spaces --Chapter 8. Privacy Preservation in Utility Mining Based on Genetic Algorithm: A New Approach -- Chapter 9. Reliability Evaluation of

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## Sommario/riassunto

This two volume book is based on the research papers presented at the 5th International Conference on Soft Computing for Problem Solving (SocProS 2015) and covers a variety of topics, including mathematical modelling, image processing, optimization methods, swarm intelligence, evolutionary algorithms, fuzzy logic, neural networks, forecasting, medical and health care, data mining, etc. Mainly the emphasis is on Soft Computing and its applications in diverse areas. The prime objective of this book is to familiarize the reader with the latest scientific developments in various fields of Science, Engineering and Technology and is directed to the researchers and scientists engaged in various real-world applications of 'Soft Computing'.