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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Context-Aware Decision Support in Dynamic Environments: Theoretical & Technological Foundations -- Creating Hybrid Simulation Systems using a Flexible Meta Data Approach -- Simulation of Real-time Multiprocessor Scheduling using DES -- Epidemics and their Implications in Urban Environments: A Case Study on a National Scope -- Hybrid Multilinear Modeling and Applications -- Modeling Interdependent Socio-technical Networks: The Smart Grid - An Agent-based Modeling Approach -- A Heuristic Bidding Price Decision Algorithm based on Cost Estimation Accuracy under Limited Engineering Man-hours in EPC Projects -- Intelligent Agents for Human Behavior Modeling as Support to Operations -- Alternative to Multifractal Analysis of Scalable Intermittent Variables Applied to Measured and Estimated Soil Properties at an Arizona Field Site --

Adaptive Neuro Fuzzy Inference System used to Build Models with Uncertain Data: Study Case for Rainfed Maize in the State of Puebla (Mexico) -- Separation of Carbon Dioxide from Synthesis Gas Containing Steam by Pressure Swing Adsorption at Mid-high Temperature -- Fuzzy Climate Scenarios for Temperature Indicate that Things could be Worse than Previously Thought -- Efficient Design of Inline E-Plane Waveguide Extracted Pole Filters through Enhanced Equivalent Circuits and Space Mapping -- Decomposition and Space Mapping for Reduced-cost Modeling of Waveguide Filters -- Quasi-Monte Carlo and RBF Metamodeling for Quantile Estimation in River Bed Morphodynamics -- Multi-objective Optimization by using Modified PSO Algorithm for Axial Flow Pump Impeller -- Emergency Department.

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Sommario/riassunto

This book includes extended and revised versions of a set of selected papers from the 3rd International Conference on Simulation and Modeling Methodologies, Technologies and Applications (SIMULTECH 2013) which was co-organized by the Reykjavik University (RU) and sponsored by the Institute for Systems and Technologies of Information, Control and Communication (INSTICC). SIMULTECH 2013 was held in cooperation with the ACM SIGSIM - Special Interest Group (SIG) on Simulation and Modeling (SIM), Movimento Italiano Modellazione e Simulazione (MIMOS) and AIS Special Interest Group on Modeling and Simulation (AIS SIGMAS) and technically co-sponsored by the Society for Modeling & Simulation International (SCS), Liophant Simulation, Simulation Team and International Federation for Information Processing (IFIP). This proceedings brings together researchers, engineers, applied mathematicians and practitioners working in the advances and applications in the field of system simulation.

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