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Nota di bibliografia	Includes bibliographical references at the end of each chapters.
Nota di contenuto	Asymmetry of Risk and Value of Information -- A Risk-Averse Differential Game Approach to Multi-Agent Tracking and Synchronization with Stochastic Objects and Command Generators -- Informational Issues in Decentralized Control -- Sparse Signal Reconstruction: LASSO and Cardinality Approaches -- Evaluation of the Copycat Model for predicting complex network growth -- Optimal Control Formulations for the Unit Commitment Problem -- On the far from most string problem, one of the hardest string selection problems -- IGV-plus: a Java software for the analysis and visualization of Next-Generation Sequencing data -- Statistical Techniques for Assessing Cyberspace Security -- Systems Safety Analysis via Accident Precursors Selection.
Sommario/riassunto	The contributions of this volume stem from the “Fifth International

Conference on the Dynamics of Information Systems" held in Gainesville, FL in February 2013, and discuss state-of the-art techniques in handling problems and solutions in the broad field of information systems. Dynamics of Information Systems: Computational and Mathematical Challenges presents diverse aspects of modern information systems with an emphasis on interconnected network systems and related topics, such as signal and message reconstruction, network connectivity, stochastic network analysis, cyber and computer security, community and cohesive structures in complex networks. Information systems are a vital part of modern societies. They are essential to our daily actions, including social networking, business and bank transactions, as well as sensor communications. The rapid increase in these capabilities has enabled us with more powerful systems, readily available to sense, control, disperse, and analyze information.