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Nota di contenuto	Biomedical signal processing, imaging, and visualization -- Computational methods and intelligence in modeling genetic and chemical networks and regulation -- Computational methods and intelligence in organism modeling -- Computational methods and intelligence in modeling and design of synthetic biological systems -- Computational methods and intelligence in biomechanical systems, tissue engineering and clinical bioengineering -- Intelligent medical apparatus and clinical applications -- Modeling and simulation of societies and collective behaviour -- Innovative education in systems

modeling and simulation -- Data analysis and data mining of biosignals -- Feature selection -- Robust optimization and data analysis.

Sommario/riassunto

This book constitutes the first part of the refereed proceedings of the International Conference on Life System Modeling and Simulation, LSMS 2014, and of the International Conference on Intelligent Computing for Sustainable Energy and Environment, ICSEE 2014, held in Shanghai, China, in September 2014. The 159 revised full papers presented in the three volumes of CCIS 461-463 were carefully reviewed and selected from 572 submissions. The papers of this volume are organized in topical sections on biomedical signal processing, imaging, and visualization; computational methods and intelligence in modeling genetic and chemical networks and regulation; computational methods and intelligence in organism modeling; computational methods and intelligence in modeling and design of synthetic biological systems; computational methods and intelligence in biomechanical systems, tissue engineering and clinical bioengineering; intelligent medical apparatus and clinical applications; modeling and simulation of societies and collective behaviour; innovative education in systems modeling and simulation; data analysis and data mining of biosignals; feature selection; robust optimization and data analysis.
