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Nota di contenuto	Intro -- Organization -- Preface -- About This Book -- Contents -- Contributors -- Mathematical Modeling and Simulation of Systems in Ecology and Geographic Information Systems -- Mathematical Modeling of Information System Designing Master Plan of the Building Territory Based on OLAP Technology -- 1 Introduction -- 2 The Main Research -- 3 Results and Discussion -- 4 Conclusions -- References -- Models and Information Technologies of Coverage of the Territory by Sensors with Energy Consumption Optimization -- 1 Introduction -- 2 Area Covering by Stationary Sensors Mathematical Models -- 3 Area Covering by Dynamical Sensors Information Technology -- 4 Computer Simulation Results -- 5 Conclusions -- References -- Transport of Reactive Tracer in Compacting Multi-Fraction Bottom Sediments -- 1 Introduction -- 2 Model Formulation -- 3 Results of Modelling -- 4 Conclusions -- References -- Pillars for Establishing a Durable and Future-Proof IT Architecture Maturing Along with the NSC: Approaches from Continuous Integration to Service Mesh -- 1 Introduction -- 2 Requirements for a Future-Proof IT System -- 3 Essential Pillars for Establishing a Durable and Future-Proof IT Architecture -- 3.1 Continuous Integration, Continuous Delivery, and Continuous Deployment -- 3.2 Kubernetes -- 3.3 Service Mesh -- 4 Self-Developed Aerosol Early Detection Forecast System -- 4.1

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