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Nota di contenuto	Ignition of algorithm mind: the role of energy in neuronal assemblies / Nuno Trindade Magessi, Luis Antunes -- Ecosystems as agent societies, landscapes as multi-societal agent systems / Antonio Carlos da Rocha Costa -- Morphozoic, cellular automata with nested neighborhoods as a metamorphic representation of morphogenesis / Thomas Portegys [and 4 others] -- A scalable multiagent architecture for monitoring biodiversity scenarios / Vladimir Rocha, Anarosa Alves Franco Brandao -- Mase: a multi-agent-based environmental simulator / Celia G. Ralha, Carolina G. Abreu -- Modelling and simulating complex systems in biology: introducing NetBioDyn, a pedagogical and intuitive agent-based software / Pascal Ballet [and 7 others] -- Agent-based modelling in multicellular systems biology / Sara Montagna, Andrea Omicini -- Architecture with multi-agent for environmental risk assessment by chemical contamination / Sergio Fred Ribeiro Andrade, Lilia Marta Brandao Soussa Modesto -- Microbial fuel cells using agent-based simulation: review and basic modeling / Diogo Ortiz Machado, Diana Francisca Adamatti, Eder Mateus Nunes Goncalves -- Use SUMO simulator for the determination of light times in order to reduce pollution: a case study in the city center of Rio Grande, Brazil / Miriam Blank Born [and 3 others] -- Multi-agent systems in three-dimensional

protein structure prediction / Leonardo de Lima Correa, Marcio Dorn -- Biomass variation phytoplanktons using agent-based simulation: a case study to estuary of the Patos Lagoon / Diego de Abreu Porcellis, Diana F. Adamatti, Paulo Cesar Abreu -- Participatory management of protected areas for biodiversity conservation and social inclusion: experience of the SimParc multi-agent-based serious game / Jean-Pierre Briot [and 6 others] -- Using probability distributions in parameters of variables at agent-based simulations: a case study for the TB bacillus growth curve / Marcilene Fonseca de Moraes [and 4 others].

Sommario/riassunto

"This book is a pivotal reference source for the latest research on the implementation of autonomous agents in computer simulation paradigms. Featuring extensive coverage on relevant applications, such as biodiversity conservation, pollution reduction, and environmental risk assessment"--Provided by publisher.
