

1. Record Nr.	UNINA9910728933203321
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Titolo	Mathematical Modeling and Simulation of Systems : Selected Papers of 17th International Conference, MODS, November 14-16, 2022, Chernihiv, Ukraine / / edited by Serhiy Shkarlet, Anatoliy Morozov, Alexander Palagin, Dmitri Vinnikov, Nikolai Stoianov, Mark Zhelezniak, Volodymyr Kazymyr
Pubbl/distr/stampa	Cham : , : Springer Nature Switzerland : , : Imprint : Springer, , 2023
ISBN	9783031302510 3031302516
Edizione	[1st ed. 2023.]
Descrizione fisica	1 online resource (341 pages)
Collana	Lecture Notes in Networks and Systems, , 2367-3389 ; ; 667
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Disciplina	003.3
Soggetti	Engineering mathematics Automatic control Mathematics - Data processing Engineering Mathematics Control and Systems Theory Computational Mathematics and Numerical Analysis
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	Modern complex multi-domain systems require increased efficiency, reliability, and availability combined with reduced cost. This book contains papers on mathematical modeling and simulation of processes in various areas: ecology and the environment, production and energy, information technology, samples of special-purpose equipment, and cyber-physical systems. The outcomes presented in the book are useful to specialists involved in the modeling and simulation of real-world

system, management and decision-making models, production models, and software products. Scientists have the opportunity to familiarize themselves with the latest research in a variety of solutions proposed by leading scientists and to determine promising directions for solving complex scientific and practical tasks. Chapters of this book contain papers presented at the 17th MODS International Conference, November 14–16, 2022, Chernihiv, Ukraine.
