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Autore	Shkarlet Serhiy
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Altri autori (Persone)	MorozovAnatoliy PalaginAlexander VinnikovDmitri StoianovNikolai ZhelezniakMark KazymyrVolodymyr
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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.

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