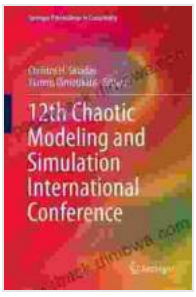
12th Chaotic Modeling and Simulation International Conference: Unveiling the Dynamics of Complex Systems



12th Chaotic Modeling and Simulation International Conference (Springer Proceedings in Complexity)

by Larry Poole

4.4 out of 5

Language	: English
File size	: 82315 KB
Text-to-Speech	: Enabled
Screen Reader	: Supported
Enhanced typesetting	: Enabled
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Dimensions	: 6.14 x 0.56 x 9.21 inches

The 12th Chaotic Modeling and Simulation International Conference (CMSIM 2023) will be held from August 14-17, 2023, in Porto, Portugal. This prestigious conference brings together leading researchers, scientists, and practitioners from around the world to explore the latest advancements in chaotic modeling and simulation, and their applications in various fields.

Understanding Chaotic Systems

Chaotic systems are complex nonlinear systems that exhibit unpredictable and seemingly random behavior. They are found in a wide range of natural

and engineered systems, from weather patterns to financial markets. Understanding the dynamics of chaotic systems is crucial for predicting and controlling their behavior.

CMSIM 2023 will provide a platform for researchers to present and discuss their latest findings on chaotic modeling. Topics covered will include:

- Chaos theory and its applications
- Nonlinear dynamics and chaos
- Chaotic time series analysis
- Chaotic optimization and control
- Chaos in engineering and science

Simulation of Complex Systems

Simulation plays a vital role in understanding and predicting the behavior of complex systems. By creating virtual models, researchers can explore different scenarios and test hypotheses without the need for costly experiments or real-world observations.

CMSIM 2023 will showcase the latest advances in simulation techniques for complex systems. Topics covered will include:

- Agent-based modeling and simulation
- Discrete event simulation
- Monte Carlo simulation
- Parallel and distributed simulation

- Simulation optimization

Applications of Chaotic Modeling and Simulation

Chaotic modeling and simulation have wide-ranging applications in various fields, including:

- Climate modeling and prediction
- Financial modeling and forecasting
- Traffic simulation and optimization
- Medical diagnosis and treatment
- Drug discovery and development

CMSIM 2023 will provide a unique opportunity for researchers and practitioners to exchange ideas and collaborate on innovative applications of chaotic modeling and simulation.

Keynote Speakers

CMSIM 2023 will feature keynote speeches from leading experts in the field, including:

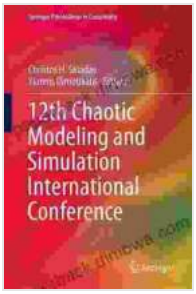
- Prof. Edward Ott, University of Maryland
- Prof. Celso Grebogi, University of Aberdeen
- Prof. Xin Wang, Chinese Academy of Sciences
- Prof. Jorge Hidalgo, University of Seville
- Prof. Maria João Matias, University of Porto

Call for Papers

Researchers are invited to submit their original research papers for consideration at CMSIM 2023. The deadline for submission is March 15, 2023. Accepted papers will be published in the conference proceedings by Springer.

Registration

Registration for CMSIM 2023 is now open. Early bird registration discounts are available until June 15, 2023. To register, please visit the conference website:



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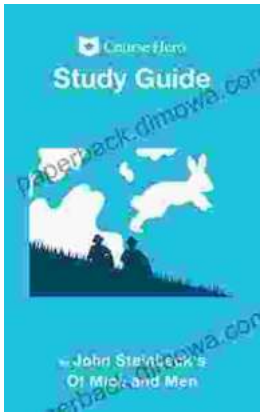

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