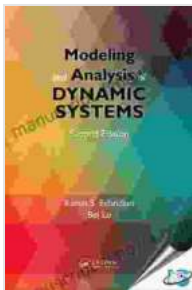


Modelling, Analysis and Control of Networked Dynamical Systems: Systems Control

Unveiling the Art and Science of Networked Dynamical Systems

In today's rapidly interconnected world, where systems are increasingly interconnected and interdependent, understanding the dynamics and behaviour of networked dynamical systems has become paramount. These systems, found in a wide range of applications including smart grids, social networks, and epidemic models, present unique challenges for modelling, analysis, and control.



Modelling, Analysis, and Control of Networked Dynamical Systems (Systems & Control: Foundations & Applications) by Chris King

★★★★☆ 4.5 out of 5

Language : English

File size : 5906 KB

Screen Reader: Supported

Print length : 177 pages

Paperback : 30 pages

Item Weight : 0.353 ounces

Dimensions : 5.83 x 0.07 x 8.27 inches



Written by renowned expert Prof. Dr. Mohsen Zamani, 'Modelling, Analysis and Control of Networked Dynamical Systems: Systems Control' is a comprehensive guide that empowers readers with advanced techniques for understanding and controlling these complex systems. This groundbreaking book provides a deep dive into the fundamentals of

networked dynamical systems, equipping readers with the knowledge and tools to tackle real-world challenges and drive innovation.

Key Features:

- **Comprehensive Coverage:** Provides a comprehensive treatment of networked dynamical systems, covering modelling, analysis, and control.
- **Advanced Techniques:** Introduces advanced techniques for modelling, analysis, and control of networked dynamical systems, including graph theory, algebraic graph theory, and complex network theory.
- **Real-World Applications:** Explores practical applications of networked dynamical systems in areas such as smart grids, social networks, and epidemic models.
- **Rigorous and Accessible:** Presents rigorous mathematical concepts in a clear and accessible manner, suitable for both researchers and practitioners.
- **Expert Authorship:** Written by Prof. Dr. Mohsen Zamani, a renowned expert in the field of networked dynamical systems.

Benefits for Readers:

- Gain a deep understanding of the fundamentals and advanced techniques for modelling, analysis, and control of networked dynamical systems.
- Develop expertise in applying these techniques to real-world applications, such as smart grids, social networks, and epidemic

models.

- Advance your research or professional practice in the field of networked dynamical systems.
- Stay at the forefront of innovation in this rapidly growing and interdisciplinary field.

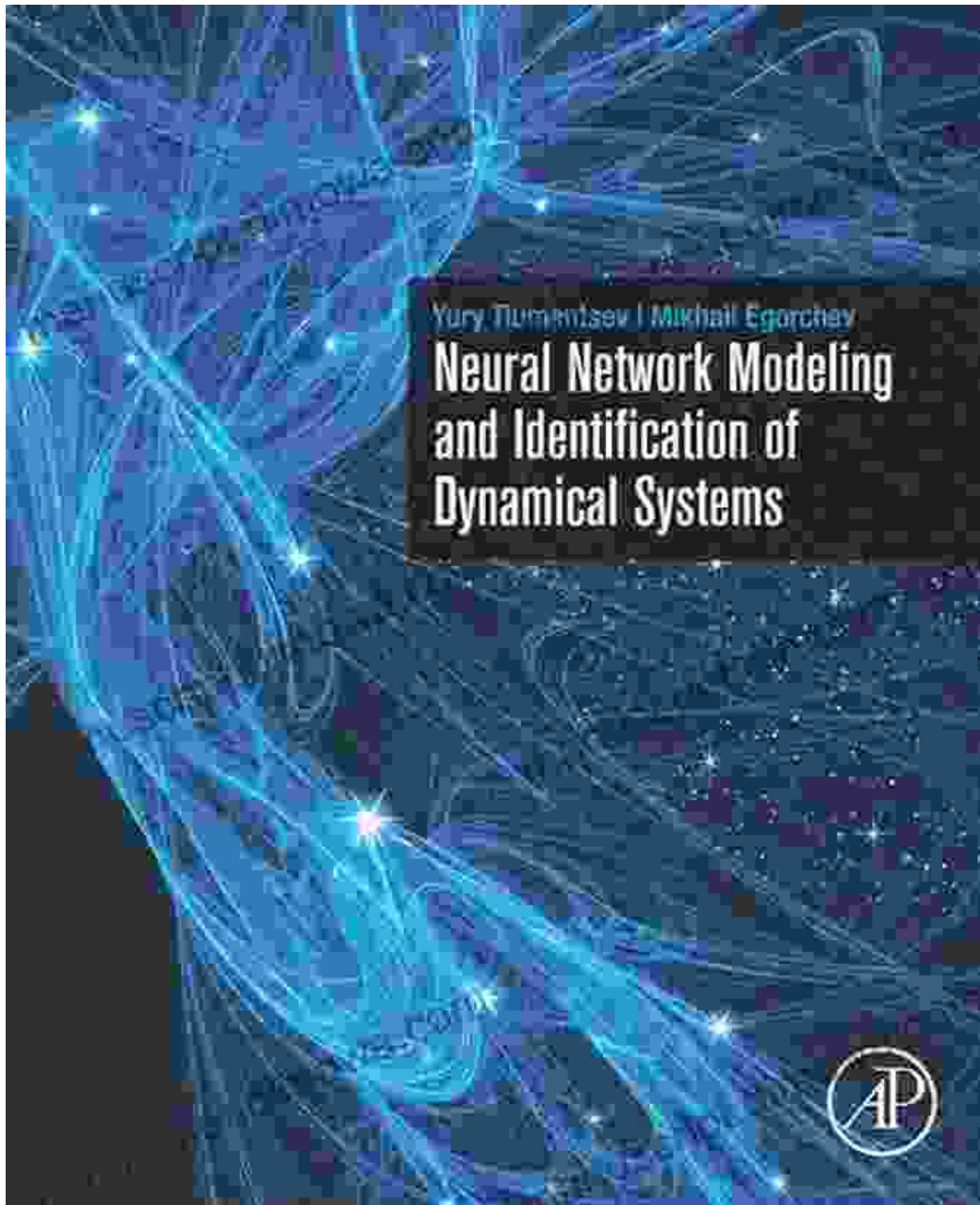
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'Modelling, Analysis and Control of Networked Dynamical Systems: Systems Control' is an essential resource for:

- Researchers in control theory, complex systems, and network science.
- Practitioners in industries such as energy, transportation, and social media.
- Graduate students in electrical engineering, computer science, and applied mathematics.
- Anyone interested in understanding and controlling networked dynamical systems.

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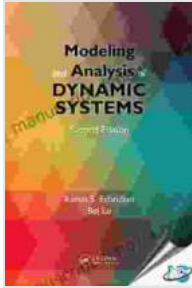


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