Cyberphysical Smart Cities Infrastructures: Optimal Operation and Intelligent Decision Making
M. Hadi Amini (Editor), Miadreza Shafie-khah (Editor)

E-Book 978-1-119-74832-8 December 2021 $108.00
Hardcover 978-1-119-74830-4 January 2022 Print-on-demand $135.00

DESCRIPTION

Learn to deploy novel algorithms to improve and secure smart city infrastructure

In Cyberphysical Smart Cities Infrastructures: Optimal Operation and Intelligent Decision Making, accomplished researchers Drs. M. Hadi Amini and Miadreza Shafie-Khah deliver a crucial exploration of new directions in the science and engineering of deploying novel and efficient computing algorithms to enhance the efficient operation of the networks and communication systems underlying smart city infrastructure. The book covers special issues on the deployment of these algorithms with an eye to helping readers improve the operation of smart cities.

The editors present concise and accessible material from a collection of internationally renowned authors in areas as diverse as computer science, electrical engineering, operation research, civil engineering, and the social sciences. They also include discussions of the use of artificial intelligence to secure the operations of cyberphysical smart city infrastructure and provide several examples of the applications of novel theoretical algorithms.

Readers will also enjoy:

• Thorough introductions to fundamental algorithms for computing and learning, large-scale optimizations, control theory for large-scale systems
• Explorations of machine learning and intelligent decision making in cyberphysical smart cities, including smart energy systems and intelligent transportation networks
• In-depth treatments of intelligent decision making in cyberphysical smart city infrastructure and optimization in networked smart cities

Perfect for senior undergraduate and graduate students of electrical and computer engineering, computer science, civil engineering, telecommunications, information technology, and business, *Cyberphysical Smart Cities Infrastructures* is an indispensable reference for anyone seeking to solve real-world problems in smart cities.

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**ABOUT THE AUTHOR**

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