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**Engineering : Cyber-physical systems, IoT**

Kravets, A.G., Bolshakov, A.A., Shcherbakov, M.V. (Eds.)

# Cyber-Physical Systems

**Digital Technologies and Applications**

- Dwells with cyber-physical systems' progress and defines digital tools eventually broaden the scope of application domains of such systems
- Substantiates the scientific, practical, and methodological approaches to the digital technologies application in cyber-physical systems, including Digital Twins, Computer Linguistic and Computer Vision paradigms, implementations of IoT, and Intelligent Cybersecurity solutions
- Includes analyzed and improved existing approaches to solving problems and demonstrated new ways by showing their perspective view on the subject matter
- Determines key predictable challenges and the main features of complex processes

This book offers ideas to help improve digital technologies and increase their efficiency during implementation and application for researchers and practitioners. The outstanding position of the book among others is that it dwells with cyber-physical systems' progress and proposes ideas and finding around digital tools and technologies and their application. A distinguished contribution is in presenting results on Digital Twins development and application, enhancing approaches of communication and information transferring between cyber-physical systems connected within the Internet of things platforms, computer linguistic as a part of cyber-physical systems, intelligent cybersecurity and computer vision systems. The target audience of this book also includes practitioners and experts, as well as state authorities and representatives of manufacturing and industry who are interested in creating and implementing of cyber-physical systems in framework of digitalization projects.

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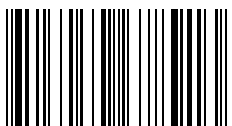
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