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Dependable IoT for Human and Industry

Modeling, Architecting, Implementation

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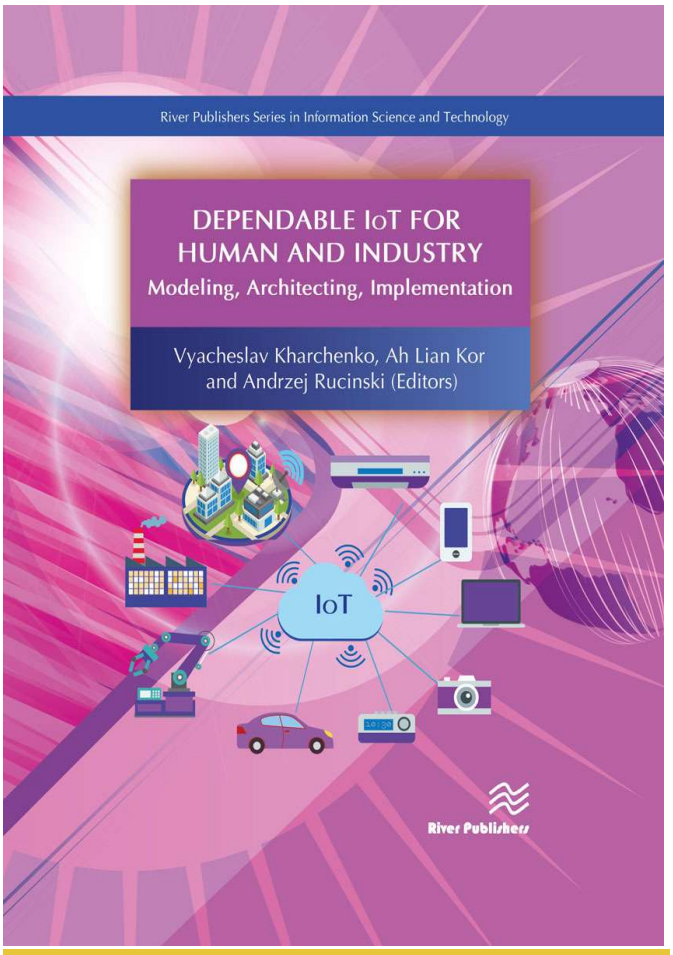
There are numerous publications which introduce and discuss the Internet of Things (IoT). In the midst of these, this work has several unique characteristics which should change the reader's perspective, and in particular, provide a more profound understanding of the impact of the IoT on society.

Dependable IoT for Human and Industry covers the main aspects of Internet of Things and IoT based systems such as global issues of applications, modeling, development and implementation of dependable IoT for different human and industry domains.

Technical topics discussed in the book include:

- Introduction in Internet of vital and trust Things
- Modelling and assessment techniques for dependable and secure IoT systems
- Architecting and development of IoT systems
- Implementation of IoT for smart cities and drone fleets; business and blockchain, transport and industry
- Training courses and education experience on Internet and Web of Thing

The book contains chapters which have their roots in the International Conference IDAACS 2017, and Workshop on Cyber Physical Systems and IoT Dependability CyberIoT-DESSERT 2017.



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KEYWORDS:
Internet and web of Things; dependable and secure IoT systems development; simulation and Markovian chains, Fault/Attack Tree Analysis, Queueing Theory based modelling of IoT systems; IoT for smart cities and transport, block chain drone fleets, business, industry; training courses and education experience on IoT

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