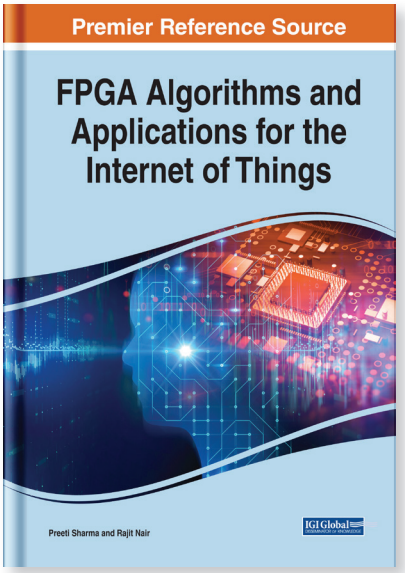
FPGA Algorithms and Applications for the Internet of Things

Part of the Advances in Systems Analysis, Software Engineering, and High Performance Computing Book Series



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Description:

In the research area of computer science, practitioners are constantly searching for faster platforms with pertinent results. With analytics that span environmental development to computer hardware emulation, problem-solving algorithms are in high demand. Field-Programmable Gate Array (FPGA) is a promising computing platform that can be significantly faster for some applications and can be applied to a variety of fields.

FPGA Algorithms and Applications for the Internet of Things provides emerging research exploring the theoretical and practical aspects of computable algorithms and applications within robotics and electronics development. Featuring coverage on a broad range of topics such as neuroscience, bioinformatics, and artificial intelligence, this book is ideally designed for computer science specialists, researchers, professors, and students seeking current research on cognitive analytics and advanced computing.

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Topics Covered:

- ARM Development
- Artificial Intelligence
- Bioinformatics
- Cognitive Algorithm
- Cognitive Analytics
- Data Analytics
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- Medical Imaging
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