River Publishers

Secure and Smart Internet of Things (IoT)

Using Blockchain and AI

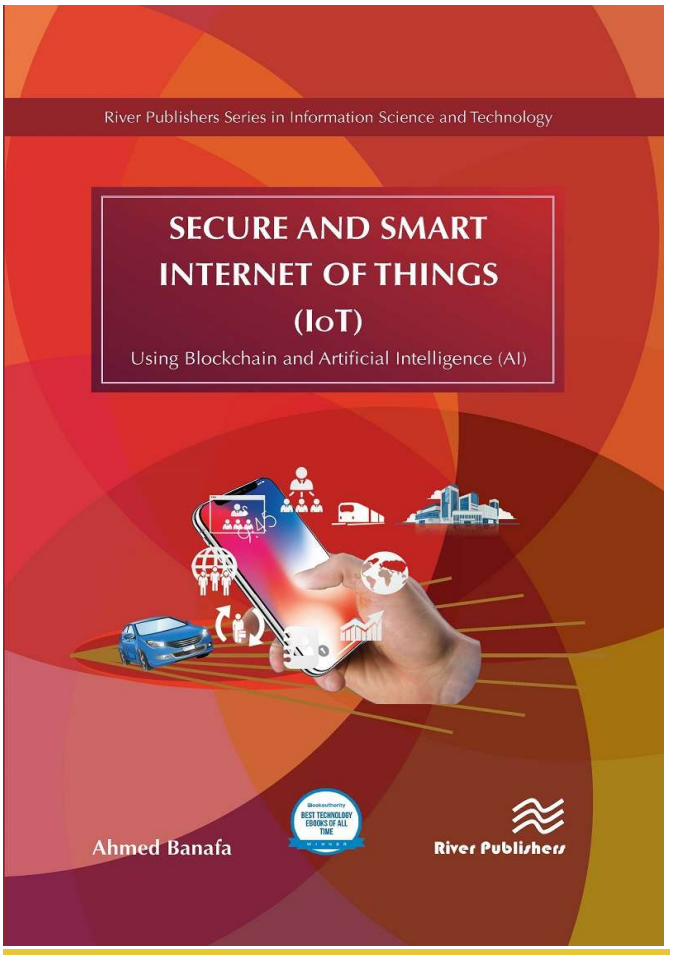
Author: Ahmed Banafa, San Jose State University, USA and Instructor at Stanford University, USA

By 2020, experts forecast that up to 28 billion devices will be connected to the Internet with only one third of them being computers, smartphones and tablets. The remaining two thirds will be other "devices" - sensors, terminals, household appliances, thermostats, televisions, automobiles, production machinery, urban infrastructure and many other "things" - which traditionally have not been Internet enabled.

This "Internet of Things" (IoT) represents a remarkable transformation of the way in which our world will soon interact. Much like the World Wide Web connected computers to networks, and the next evolution connected people to the Internet and other people, IoT looks poised to interconnect devices, people, environments, virtual objects and machines in ways that only science fiction writers could have imagined. In a nutshell the Internet of Things (IoT) is the convergence of connecting people, things, data and processes is transforming our life, business and everything in between. Secure and Smart Internet of Things explores many aspects of the Internet of Things and explain many of the completed principles of IoT and the new advances in IoT including using Fog Computing , AI and Blockchain technology.

The topics discussed in the book include:

- Internet of Things (IoT)
- Industrial Internet of Things (IIoT)
- Fog Computing
- Artificial Intelligence
- Blockchain Technology
- Network Security
- Zero-Trust Model
- Data Analytics
- Digital Transformation
- DDoS
- Smart Devices
- Cybersecurity



River Publishers Series in Computing and Information Science and Technology

ISBN: 9788770220309
e-ISBN: 9788770220293
Available From: November 2018
Price: € 90.00 $ 120.00

KEYWORDS:
Internet of Things (IoT), DDoS, Fog Computing, Artificial Intelligence (AI), Digital Transformation, Data Analysis, Privacy, Standardization, Blockchain, Bitcoin, Industrial Internet of Things (IIoT), Security, Networks, Communications, Telecommunications, M2M, Machine Learning, Smart Devices, Smart Cities, Smart Cars, Zero-Trust Model, Cybersecurity

www.riverpublishers.com
marketing@riverpublishers.com