CALL FOR BOOK CHAPTER

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Cyber-Physical Systems, IoT and Autonomous Systems in Industry 4.0

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SCOPE OF THE BOOK

This book addresses the topics related to IOT, Machine Learning, Cyber-physical Systems and Cloud Computing for Industry 4.0 and bring together researchers, developers, practitioners and users who are interested in Cloud computing, Cyber Security and IOT to explore new ideas, techniques, and tools, and to exchange their experiences. The latest advancements in healthcare systems, supply chain management systems and wearable computing are also covered in this book. Various aspects in IOT like security, validation, assurance, privacy etc. are being focused on in this book. This book intends to encourage researchers to develop novel theories to enrich the scholars and firm's knowledge to achieve a sustainable development and/or foster sustainability. This book also investigates various challenges across multiple sectors and across different industries and also considers Industry 4.0 technological developments for operations and supply chain management.

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TOPICS

- Industrial Cyber-Physical Systems
- Cyber Systems and Security in Industry 4.0
- Fitness and Health Care
- Air Quality and Environment
- Cloud Computing and Grid Computing in Industry 4.0
- Architecture, Performance and Scalability of Cloud Services
- Incentive, Security, Trust, and Privacy Issues in CPS
- Smart Living Technologies such as Smart City, Smart Home and Office, Wearable Devices, Learning Devices, etc Social M2M Networks, Social Impact of CPS, Creative Aspects
- Data Management and Processing (e.g. big data, cloud computing)
- Location and Tracking based Services
- Smart Cameras and Computer Vision-based Context Management
- Web of Things
- Protocols and Architecture for IOT
- IOT Applications in Research Domains
- Data Analytics and Machine Learning in IOT
- Machine Learning for Traffic Management in IOT
- Models and Applications of IOT in Industry 4.0
- Sensor, Vehicular, Robot, Camera, Aerial and Social Smartphone Networks
- Wireless Networking Technologies and Autonomous ad Hoc Networks
- Internet of Things and Machine-to-Machine Communications
- Networked Infrastructure Management with Applications such as Smart Power Grids and Transportation Systems
- Network Enabled Computation, Coordination, and Actuation
- Scalability of Complex Networks
- Modeling and Simulating Autonomous Systems
- Autonomous Vehicles
- Autonomous Security and Networks
- Verification Standards and Certification Processes for Autonomous Systems
- Smart Healthcare Systems
- Smart Supply Chain Management Systems
- Industrial Internet Use Cases
- Simulation and Modelling of Large Scale IOT Scenarios
- Aspects in IOT: Validation, Verification, Assurance, Security, Privacy
- Wearable Computing

IMPORTANT DATES

Abstract Submission Deadline : **30th September, 2020**
Abstract Acceptance **: 15th October, 2020**
Full Chapter Submission **: 15th November, 2020**
Review Notification **: 25th November, 2020**
Revised Version Submission Deadline **: 25th December, 2020**
Final Decision Notification **: 20th January, 2021**