

## Call for Book Chapter

# Blockchain and Deep Learning - Future Trends and Enabling Technologies

To be published in Series " **Studies in Big Data**", Springer Nature



The pace and speeds for connectivity are certain on the ascend. Blockchain and deep learning are twin technologies that are integral to integrity and relevance of network contents. Since they are data-driven technologies, rapidly growing interests exist to incorporate them in efficient and secure data sharing and analysis applications. Blockchain and deep learning are sentinel contemporary research technologies. The main aim of this book is to identify the bedrock principles and forward projecting methodologies that illuminate the trajectory of developments for the decades ahead.

This book aims to provide a comprehensive reference for blockchain and deep learning by covering all important topics. It encourages recent studies of blockchain, deep learning and reinforcement learning with focusing on the following topics but not limited to:

### Topics:

- Blockchain foundations, new design, and privacy
- Cyber-physical systems and Blockchain
- Security and data integrity with blockchain
- Cyberattacks on blockchains
- IoT platform based on Blockchain or/and deep learning
- P2P communication protocol
- Blockchain based social media
- Distributed Database Technologies for Blockchain
- Permissioned vs. permission-less paradigms
- Reinforcement learning
- Deep learning models for achieving safety
- Blockchain in connected and autonomous vehicles
- Blockchain and Machine Learning/Artificial Intelligence
- Learning at the edge of the networks
- IoT-driven intelligence and incorporate deep learning models
- Vision, Image Processing and Environment Perception
- Intelligent Automation
- Operational and Policy issues in Automation
- Big Data and Deep Learning

### Submission Procedure

All book chapters proposal must be electronically submitted by using EasyChair link below, following these guidelines:

- Researchers and practitioners are kindly invited to submit chapter proposal containing a preliminary title, a short abstract and authors affiliations.
- The length of the book chapter should be between 15 to 20 pages (including reference).
- All submitted chapters will be reviewed by at least 2-3 reviewers on a double-blind review basis

### Submission link:

<https://easychair.org/my/conference?conf=bcdl2021>

### Important Dates:

- Feb. 15, 2021:** Chapter proposal submission deadline
- March 08, 2021:** Proposal acceptance notification and invitation to submit full chapter
- June 04, 2021:** Full chapter submission deadline
- August 15, 2021:** Review results including notification of acceptance of chapter
- Sept. 05, 2021:** Final Chapter Submission (camera ready version)

This book will be submitted for consideration in Web of Science.

### Editors



**Khaled R Ahmed**

School of Computing,  
Southern Illinois University,  
USA  
[kahmed@cs.siu.edu](mailto:kahmed@cs.siu.edu)

**Henry Hexmoor**

School of Computing,  
Southern Illinois University,  
USA  
[hexmoor@cs.siu.edu](mailto:hexmoor@cs.siu.edu)