

CONTENTS

A Post-Marxist Reading of the Knowledge Economy: Open Knowledge Production, Cognitive Capitalism, and Knowledge Socialism [7]

Michael A. Peters

Humanity-Centered Leadership: Servant Leadership with a Worldview [25]

Hershey H. Friedman and Murray Mizrachi

Big Data Algorithms and Artificial Intelligence Technologies in Cloud-based Accounting Information Systems [42]

Luminița Ionescu

Smart Contracts in Blockchain-based Accounting Information Systems and Artificial Intelligence-enabled Auditing Techniques [58]

Rafaela Cazazian

Immersive 3D Technologies, Spatial Computing and Visual Perception Algorithms, and Event Modeling and Forecasting Tools on Blockchain-based Metaverse Platforms [74]

Katarina Valaskova, Marek Vochozka, and George Lăzăroiu

Spatial Cognition and Context Awareness Algorithms, Virtual Modeling and Remote Sensing Technologies, and Visual Perception and Data Mining Tools across the Economic Infrastructure of the Metaverse [91]

Mark Newell

Deep Learning-based Ambient Sound Processing and Visual Imagery Tools, Spatial Computing and Immersive Technologies, and Decision and Control Algorithms in the Metaverse Interactive Environment [108]

Brian Carey

Multisensor Fusion and Dynamic Routing Technologies, Virtual Navigation and Simulation Modeling Tools, and Image Processing Computational and Visual Cognitive Algorithms across Web3-powered Metaverse Worlds [125]

Katarina Zvarikova, Zuzana Rowland, and Elvira Nica

Object Recognition and Virtual Retail Algorithms, Metaverse and Immersive Technologies, and Simulation Modeling and Spatial Data Acquisition Tools in Extended Reality Environments [142]

James Perkins

Ambient Sound Recognition and Processing Tools, Object Perception and Motion Control Algorithms, and Behavioral Predictive Analytics in the Virtual Economy of the Metaverse [159]

Robert Barnes

Haptic and Biometric Sensor Technologies, Deep Learning-based Image Classification Algorithms, and Movement and Behavior Tracking Tools in the Metaverse Economy [176]

Maria Kovacova, Jakub Horak, and Gheorghe H. Popescu

Motion Planning and Remote Sensing Algorithms, Predictive Geospatial Modeling and Deep Learning Artificial Intelligence Tools, and Machine Perception and Image Recognition Technologies in the Blockchain-based Virtual Economy [193]

George Duncan

Virtual Navigation and Augmented Reality Shopping Tools, Immersive and Cognitive Technologies, and Image Processing Computational and Object Tracking Algorithms in the Metaverse Commerce [210]

Marian Grupac, Kristina Husakova, and Raluca-Ștefania Balica

Geospatial Mapping and Remote Sensing Technologies, Spatial Cognition and Visual Perception Algorithms, and Virtual Navigation and Ambient Scene Detection Tools across the Blockchain-based Metaverse [227]

Kimberly Hancock

Perception and Cognition Algorithms, Simulation Modeling and Data Visualization Tools, and Spatial Computing and Immersive Technologies in the Metaverse Interactive Environment [244]

Nancy Morley

Digital Twin Modeling and Spatial Awareness Tools, Acoustic Environment Recognition and Visual Tracking Algorithms, and Deep Neural Network and Vision Sensing Technologies in Blockchain-based Virtual Worlds [261]

Pavol Durana, Zdenka Musova, and Adela-Claudia Cuțitoi