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Altri autori (Persone)	NayyarAnand SinghAshutosh Kumar GuoYanhui
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Nota di contenuto	Convergence of AI, Federated learning and Blockchain -- AI for expert system -- Natural Language processing for industry 4.0 -- Design and development of autonomous systems -- Decision-Making Techniques for Analytical Systems -- Smart Computational Techniques for IoT applications -- Federated Learning for advanced healthcare -- Federated learning for privacy preserving -- Secure computation for IoT applications -- Analysis and Implementation of Security using Federated Systems -- Development of Federated Learning Recommendation Systems -- Development of Intelligent Productive Federated Learning Systems -- AI and Federated Learning for Sustainable Development Systems Industry 4.0 -- Role of Blockchain Techniques for Sustainable Development -- Blockchain with smart contacts for real-time applications -- Trustworthy AI in Cybersecurity -- Case study based upon smart cities, home and agriculture using AI and Blockchain -- Sustainable Development using Blockchain

Technology -- Traceability and Transparency issues in Transactions using Blockchain Techniques -- Emerging Trends and future directions of AI assisted Blockchain and Federated Learning for Sustainable Development Systems.

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Sommario/riassunto

This book provides current state of the art along with an insight of recent research trends and open issues, challenges, and future research direction for the academician, analyzer, researcher, writers, and authors. It also provides an opportunity to exchange knowledge in the field of IoT-enabled smart systems, Industry 4.0, networking, cyber-physical system, computing paradigms, and security with various tools and methods used for industry-oriented intelligent-based IoT applications. This advanced research edited book focuses on emerging and advancing technology-federated machine learning, blockchain, and artificial intelligence for real-time Internet of things (IoT) application to solve the real-world problems and make the life of human more conformable. The objective of the proposed book is to develop privacy preserving model for IoT applications and improve the security, privacy, reliability, and sustainability of the systems. This book motivates and enhances the quality of research and commercialization in the fields of AI, Industry 4.0, federated learning, and blockchain.

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