Record Nr. UNINA9910951797103321 Autore Saha Himadri Nath Titolo International Conference on Systems and Technologies for Smart Agriculture: ICSTA 2023 / / edited by Himadri Nath Saha, Hena Ray, Phillip G. Bradford Singapore:,: Springer Nature Singapore:,: Imprint: Springer,, 2024 Pubbl/distr/stampa **ISBN** 9789819751570 9819751578 Edizione [1st ed. 2024.] Descrizione fisica 1 online resource (1045 pages) Springer Proceedings in Information and Communication Technologies, Collana 3004-9571 Altri autori (Persone) RayHena BradfordPhillip G Disciplina 006.3 Soggetti Computational intelligence Artificial intelligence Computer networks Cooperating objects (Computer systems) Industrial engineering Production engineering Computational Intelligence Artificial Intelligence Computer Networks Cyber-Physical Systems Industrial and Production Engineering Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia 1. Al based Systems and Application -- 2. Robotics -- 3. IoT Nota di contenuto Technologies -- 4. Security and Block-chain -- 5. Big Data, Data Management and Analytics -- 6. Agricultural Health. Sommario/riassunto The book contains peer-reviewed proceedings of the International Conference on Systems and Technologies for Smart Agriculture, ICSTA

2023. It focuses on the applications of artificial intelligence, the Internet of Things, and robotics technologies to transform traditional agriculture into smart agriculture. The topics covered in this book

include cyber-physical systems and IoT, automation and mechanization, artificial intelligence/machine learning, security and blockchain, big data, data management, and analytics, agricultural health, additive technologies and food engineering, sensor and sensing systems, and remote sensing and aerial imaging. This book serves as a bridge between academic research, industry initiatives, and governmental policies.