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Titolo	Recent Trends in Artificial Intelligence Towards a Smart World : Applications in Industries and Sectors // edited by Rajeev Arya, Subhash Chander Sharma, Ajit Kumar Verma, Brijesh Iyer
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Collana	Frontiers of Artificial Intelligence, Ethics and Multidisciplinary Applications, , 2731-8133
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Nota di contenuto	AI-Driven Cognitive Radio Networks for Transforming Industries and Sectors Towards a Smart World -- Beyond the Code: Bridging Ethical and Practical Gaps in Data privacy for AI-Enhanced Healthcare Systems -- Smart Healthcare: Paradigm Shift in Industry 5.0 using AI -- Navigating the Digital Age: Smart Logistics and Manufacturing -- Industrial Automation through AI-powered Intelligent Machines Enabling Real-Time Decision-Making -- Artificial Intelligence and Machine Learning Technologies in Internet of Vehicles -- Connecting the Dots: Unveiling the power of sensors in IoT -- A Complex

Intersection and Sustainable Solution of Smart Cities and Smart Homes:
Building a Connected Habitat -- Customized CNN-based Condition
Monitoring of Road Traffic for Intelligent Transportation Routing --
Remote Monitoring and Control Systems in Agriculture and Farming --
Enhanced Deep Learning Model for Road Transportation Safety with
Accident Detection and Traffic Flow Analysis -- Unmanned Aerial
Networks-UAV's and AI -- Internet of Drones -- Advancements in
Traffic Sign Detection and Recognition for Adverse Weather and Motion
Artifacts in Transportation Systems -- Building Smart Campuses:
Integrating AI in Higher Education.

Sommario/riassunto

This book compiles artificial intelligence (AI) applications in new communication technologies such as the cognitive radio networks, internet of things (IoT), internet of drones (IoD), internet of vehicles (IoV), and autonomous underwater vehicles (AUV), which are expected to increase the amount of data traffic. Recognizing that AI is revolutionizing industries with its applications and helping us solve complex problems with ease, the book tackles a variety of industries and sectors such as agriculture, logistics, infrastructure, manufacturing, education, disaster management, transport, surveillance, and more. Contributions included in the book are useful for students, engineers (disciplines like telecommunication, mechanical and computer science, etc.), teachers, people studying and working for strategic, tactical and operational management. It is also useful for data scientists and anyone else who wants to have an insight into the impact of artificial intelligence on various industries. Due to its focus on healthcare and agriculture, the horizon of the book is enhanced to include healthcare industry personnels and agriculture sector. Additionally, it provides guidance for government personnel who are working towards system upgradation for managing dynamic traffic demands.
