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Autore	Dhanaraj Rajesh Kumar
Titolo	Artificial Intelligence in IoT and Cyborgization // edited by Rajesh Kumar Dhanaraj, Bharat S. Rawal, Sathya Krishnamoorthi, Balamurugan Balusamy
Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2023
ISBN	981-9943-03-5
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Descrizione fisica	1 online resource (191 pages)
Collana	Studies in Computational Intelligence, , 1860-9503 ; ; 1103
Altri autori (Persone)	RawalBharat S KrishnamoorthiSathya BalusamyBalamurugan
Disciplina	629.892
Soggetti	Internet of things Artificial intelligence Computational intelligence Cooperating objects (Computer systems) Internet of Things Artificial Intelligence Computational Intelligence Cyber-Physical Systems
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Introduction to Cyborgization systems -- AI based Smart IoT systems -- Role of Machine Learning and Deep Learning applications in the Internet of Things (IoT) Security -- IOT Based Experimental Relaying System for Smart Grid -- Environment Twin based Deep learning model using Reconfigurable Holographic Surface for user location prediction -- Surveillance of Robotic Boat Using IoT and Image Processing -- Advanced Human – Computer Interaction Technology in Digital Twins -- CNN Architecture and Classification of Miosis and Mydriasis Clinical Conditions -- Role of Object Detection for Brain Tumor Identification Using Magnetic Resonance Image Scans -- Deep Learning Model for Predicting Diabetes Disease Using SVM -- Deep Learning For Targeted Treatment. .

## Sommario/riassunto

This book introduces the concept of combining artificial intelligence (AI) and Internet of things (IoT) with real human organs to form a cybernetic organism or cyborg. It is a concept of man-machine mixture which helps in restoring or enhancing the ability of a body part by integrating some technology or artificial component with that body part. These smart artificial organs act as a substitute for real organs having various capabilities like scanning the body, detecting and transmitting the diagnostic data to machines. For example, an artificial heart is capable of monitoring the overall health of a person, and lungs can inform the doctor of abnormalities. This book benefits academic researchers and industrialist who work in the field cyborgization and IoT within human bodies.

2. Record Nr.	UNIORUON00101483
Autore	KUNITZSCH, Paul
Titolo	Mittelalterliche astronomisch-astrologische glossare mit arabischen fachausdrucken / Paul Kunitzsch
Pubbl/distr/stampa	Munchen, : Bayerische Akademie der Wissenschaften, 1977
Descrizione fisica	58 p. ; 22 cm
Classificazione	ARA XVIII
Soggetti	Astrologia araba ASTRONOMIA ARABA
Lingua di pubblicazione	Tedesco
Formato	Materiale a stampa
Livello bibliografico	Monografia