

1. Record Nr.	UNINA9910392740203321
Titolo	Internet of Things in Smart Technologies for Sustainable Urban Development // edited by G. R. Kanagachidambaresan, R. Maheswar, V. Manikandan, K. Ramakrishnan
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2020
ISBN	3-030-34328-6
Edizione	[1st ed. 2020.]
Descrizione fisica	1 online resource (252 pages)
Collana	EAI/Springer Innovations in Communication and Computing, , 2522-8595
Disciplina	004.678
Soggetti	Computer engineering Internet of things Embedded computer systems Sustainable development Computer communication systems Urban geography Electrical engineering Industrial engineering Production engineering Cyber-physical systems, IoT Sustainable Development Computer Communication Networks Urban Geography / Urbanism (inc. megacities, cities, towns) Communications Engineering, Networks Industrial and Production Engineering
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	Introduction -- Part I: Edge computing and Internet of things in smart development -- Emerging trends of IoT and edge analytics -- Technology, protocols and use cases of IoT, Cloud and Big data analytics -- Data analytics and machine learning in decision making for smart development -- Part II: Wireless Communication protocols in

sustainable development -- Health care solutions and data analytics in hospital environment -- Role of AI and bio inspired computing in decision making -- Deep learning concepts aiding smart city applications -- Energy harvesting methodologies and experimentation of sensors and actuators -- Reliability analysis and fault tolerant architecture for IoT and Edge Computing -- Buffer management in delay tolerant and delay in tolerant monitoring -- Handling network failure during critical duration -- Trust models and digital signature concepts for resource starving embedded systems -- Part III: Role of robotics in smart development -- Automation solution for smart development applications -- Solutions for challenges faced in smart development through low cost automation -- Conclusion.

Sommario/riassunto

This book provides solution for challenges facing engineers in urban environments looking towards smart development and IoT. The authors address the challenges faced in developing smart applications along with the solutions. Topics addressed include reliability, security and financial issues in relation to all the smart and sustainable development solutions discussed. The solutions they provide are affordable, resistive to threats, and provide high reliability. The book pertains to researchers, academics, professionals, and students. Provides solutions to urban sustainable development problems facing engineers in developing and developed countries Discusses results with industrial problems and current issues in smart city development Includes solutions that are reliable, secure and financially sound.
