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Titolo	Smart Connected World : Technologies and Applications Shaping the Future // edited by Sarika Jain, San Murugesan
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ISBN	3-030-76387-0
Edizione	[1st ed. 2021.]
Descrizione fisica	1 online resource (229 pages)
Collana	Computer Science Series
Disciplina	004.678
Soggetti	Application software Computer networks Computer and Information Systems Applications Computer Communication Networks
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	Part I: Smart Connected World: Overview and Technologies -- 1. The Smart Connected World: A Broader Perspective -- 2. Cyber-Physical-Social Systems: An Overview -- 3. The Web of Things Ecosystem -- 4. Semantic Intelligence in Big Data Applications -- 5. Securing Smart Connected World: Key Challenges and Solutions -- 6. Ontology for Data Analytics -- 7. Multilingual Semantic Representation of Smart Connected Web Data -- Part II: Applications and Case Studies -- 8. Smart Manufacturing -- 9. Role of Semantics in Smart City Applications -- 10. Detection of Depression Signals from Social Media Data.
Sommario/riassunto	This book provides an overview of the emerging smart connected world, and discusses the roles and the usage of underlying semantic computing and Internet-of-Things (IoT) technologies. The book comprises ten chapters overall, grouped in two parts. Part I "Smart Connected World: Overview and Technologies" consists of seven chapters and provides a holistic overview of the smart connected world and its supporting tools and technologies. Part II "Applications and Case Studies" consists of three chapters that describe applications and case studies in manufacturing, smart cities, health, and more. Each chapter is self-contained and can be read independently; taken together, readers get a bigger picture of the technological and

application landscape of the smart connected world. This book is of interest for researchers, lecturers, and practitioners in Semantic Web, IoT and related fields. It can serve as a reference for instructors and students taking courses in hybrid computing getting abreast of cutting edge and future directions of a connected ecosystem. It will also benefit industry professionals like software engineers or data scientists, by providing a synergy between Web technologies and applications. This book covers the most important topics on the emerging field of the smart connected world. The contributions from leading active researchers and practitioners in the field are thought provoking and can help in learning and further research. The book is a valuable resource that will benefit academics and industry. It will lead to further research and advancement of the field. Bharat K. Bhargava, Professor of Computer Science, Purdue University, United States.
