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Titolo	Designing, Developing, and Facilitating Smart Cities : Urban Design to IoT Solutions / / edited by Vangelis Angelakis, Elias Tragos, Henrich C. Pöhls, Adam Kapovits, Alessandro Bassi
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2017
ISBN	3-319-44924-9
Edizione	[1st ed. 2017]
Descrizione fisica	1 online resource (XIV, 336 p. 52 illus., 36 illus. in color.)
Disciplina	621.382
Soggetti	Electrical engineering Electronics Microelectronics Application software User interfaces (Computer systems) Urban planning City planning Communications Engineering, Networks Electronics and Microelectronics, Instrumentation Information Systems Applications (incl. Internet) User Interfaces and Human Computer Interaction Urbanism
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Part 1: Motivation/Scene Setting -- Looking at Smart Cities with an Historical Perspective -- Who is the Assumed User in the Smart City -- Smart Cities Don’t Leave Your Citizens Behind! -- Factoring Big Data into the Business Case for IoT -- Part 2: Technologies -- Designing Secure IoT Architectures for Smart City Applications -- Privacy and Social Values in Smart Cities -- Security & Privacy for the Internet-of-Things Communication in the SmartCity -- IoT Communication Technologies for Smart Cities -- Cloud Internet of Things Framework for Enabling Services in Smart Cities -- Future Internet Systems Design

	and Implementation: Cloud and IoT Services Based on IoT-A and FIWARE -- Part 3: Use Cases -- Traffic Management for Smart Cities -- Smart Grid for the Smart City -- The Significance of User Involvement in Smart Buildings within Smart Cities -- A Sensor Platform for Healthcare in a Residential Environment.
Sommario/riassunto	This book discusses how smart cities strive to deploy and interconnect infrastructures and services to guarantee that authorities and citizens have access to reliable and global customized services. The book addresses the wide range of topics present in the design, development and running of smart cities, ranging from big data management, Internet of Things, and sustainable urban planning. The authors cover - from concept to practice – both the technical aspects of smart cities enabled primarily by the Internet of Things and the socio-economic motivations and impacts of smart city development. The reader will find smart city deployment motivations, technological enablers and solutions, as well as state of the art cases of smart city implementations and services. · Provides a single compendium of the technological, political, and social aspects of smart cities; · Discusses how the successful deployment of smart Cities requires a unified infrastructure to support the diverse set of applications that can be used towards urban development; · Addresses design, development and running of smart cities, including big data management and Internet of Things applications.