

1.	Record Nr.	UNISA990005895390203316
	Autore	GIOVAGNOLI, Roberto
	Titolo	Codice civile : annotato con la giurisprudenza / Roberto Giovagnoli
	Pubbl/distr/stampa	Milano : Giuffrè, 2013
	ISBN	88-14-18423-2
	Edizione	[5. ed.]
	Descrizione fisica	XXIV, 3678 p. ; 24 cm
	Collana	Percorsi Giuffrè
	Disciplina	346.45
	Collocazione	XXV.1.A. 461
	Lingua di pubblicazione	Italiano
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
2.	Record Nr.	UNINA9910781169603321
	Autore	Vasseur Jean-Philippe
	Titolo	Interconnecting smart objects with IP [[electronic resource] ] : the next Internet / / Jean-Philippe Vasseur, Adam Dunkels
	Pubbl/distr/stampa	Amsterdam ; ; Boston, : Elsevier / Morgan Kaufmann Publishers, c2010
	ISBN	1-282-66617-7 9786612666179 0-12-375166-7
	Edizione	[1st edition]
	Descrizione fisica	1 online resource (432 p.)
	Altri autori (Persone)	DunkelsAdam
	Disciplina	004.01/9
	Soggetti	Ubiquitous computing Embedded Internet devices Ad hoc networks (Computer networks) TCP/IP (Computer network protocol) Automatic control Ambient intelligence
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa

Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	<p>Front Cover; Interconnecting Smart Objects with IP: The Next Internet; Copyright Page; Dedication; About the Authors; Contents; Foreword; Preface; OBJECTIVES; STRUCTURE OF THE BOOK; Acknowledgements; SPECIAL ACKNOWLEDGMENTS; PART 1 THE ARCHITECTURE; CHAPTER 1 What Are Smart Objects?; 1.1 Where Do Smart Objects Come From?; 1.1.1 Embedded Systems; 1.1.2 Ubiquitous and Pervasive Computing; 1.1.3 Mobile Telephony; 1.1.4 Telemetry and Machine-to-machine Communication; 1.1.5 Wireless Sensor and Ubiquitous Sensor Networks; 1.1.6 Mobile Computing; 1.1.7 Computer Networking</p> <p>1.2 Challenges for Smart Objects1.2.1 Node-level Challenges; 1.2.2 Network-level Challenges; 1.2.3 Standardization; 1.2.4 Interoperability; 1.3 Conclusions; CHAPTER 2 IP Protocol Architecture; 2.1 Introduction; 2.2 From NCP to TCP/IP; 2.3 Fundamental TCP/IP Architectural Design Principles; 2.4 The Delicate Subject of Cross-layer Optimization; 2.5 Why Is IP Layering also Important for Smart Object Networks?; 2.6 Conclusions; CHAPTER 3 Why IP for Smart Objects?; 3.1 Interoperability; 3.2 An Evolving and Versatile Architecture; 3.3 Stability and Universality of the Architecture; 3.4 Scalability</p> <p>3.5 Configuration and Management3.6 Small Footprint; 3.7 What Are the Alternatives?; 3.8 Why Are Gateways Bad?; 3.8.1 Inherent Complexity; 3.8.2 Lack of Flexibility and Scalability; 3.9 Conclusions; CHAPTER 4 IPv6 for Smart Object Networks and the Internet of Things; 4.1 Introduction; 4.2 The Depletion of the IPv4 Address Space; 4.2.1 Current IPv4 Address Pool Exhaustion Rate; 4.3 NAT: A (Temporary) Solution to IPv4 Address Exhaustion; 4.4 Architectural Discussion; 4.5 Conclusions; CHAPTER 5 Routing; 5.1 Routing in IP Networks; 5.1.1 IP Routing and QoS</p> <p>5.1.2 IP Routing and Network Reliability5.2 Specifics of Routing in LLNs; 5.2.1 What Makes the Routing in LLNs Different?; 5.3 Layer 2 Versus Layer 3 "Routing"; 5.3.1 Where Should Path Computation Be Performed?; 5.4 Conclusions; CHAPTER 6 Transport Protocols; 6.1 UDP; 6.1.1 Best-effort Datagram Delivery; 6.1.2 The UDP Header; 6.2 TCP; 6.2.1 Reliable Stream Transport; 6.2.2 The TCP Header; 6.2.3 TCP Options; 6.2.4 Round-trip Time Estimation; 6.2.5 Flow Control; 6.2.6 Congestion Control; 6.2.7 TCP States; 6.3 UDP for Smart Objects; 6.4 TCP for Smart Objects; 6.5 Conclusions</p> <p>CHAPTER 7 Service Discovery7.1 Service Discovery in IP Networks; 7.2 Service Discovery Protocols; 7.2.1 SLP; 7.2.2 Zeroconf, Rendezvous, and Bonjour; 7.2.3 UPnP; 7.3 Conclusions; CHAPTER 8 Security for Smart Objects; 8.1 The Three Properties of Security; 8.1.1 Confidentiality; 8.1.2 Integrity; 8.1.3 Availability; 8.2 "Security" by Obscurity; 8.3 Encryption; 8.4 Security Mechanisms for Smart Objects; 8.4.1 Security Policies for Smart Objects; 8.4.2 Link Layer Encryption; 8.5 Security Mechanisms in the IP Architecture; 8.5.1 IPsec; 8.5.2 TLS; 8.6 Conclusions</p> <p>CHAPTER 9 Web Services for Smart Objects</p>
Sommario/riassunto	<p>Smart object technology, sometimes called the Internet of Things, is having a profound impact on our day-to-day lives. Interconnecting Smart Objects with IP is the first book that takes a holistic approach to the revolutionary area of IP-based smart objects. Smart objects are the intersection of networked embedded systems, wireless sensor networks, ubiquitous and pervasive computing, mobile telephony and telemetry, and mobile computer networking. This book consists of three parts, Part I focuses on the architecture of smart objects</p>

networking, Part II covers the hardware, software, a

---