

1. Record Nr.	UNINA9910138855603321
Autore	Chaouchi Hakima
Titolo	The Internet of things [[electronic resource]] : connecting objects to the web // edited by Hakima Chaouchi
Pubbl/distr/stampa	London, : ISTE Hoboken, N.J., : John Wiley & Sons, 2010
ISBN	1-118-60014-2 1-118-60017-7 1-118-60001-0 1-299-18737-4
Edizione	[1st edition]
Descrizione fisica	1 online resource (283 p.)
Collana	ISTE
Altri autori (Persone)	ChaouchiHakima
Disciplina	004 621.382
Soggetti	Ubiquitous computing Computer networks Radio frequency identification systems
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	Cover; The Internet of Things; Title Page; Copyright Page; Table of Contents; Preface; Chapter 1. Introduction to the Internet of Things; 1.1. Introduction; 1.2. History of IoT; 1.3. About objects/things in the IoT; 1.4. The identifier in the IoT; 1.5. Enabling technologies of IoT; 1.5.1. Identification technology; 1.5.2. Sensing and actuating technology; 1.5.3. Other technologies; 1.5.4. Connected objects' communication; 1.6. About the Internet in IoT; 1.7. Bibliography; Chapter 2. Radio Frequency Identification Technology Overview; 2.1. Introduction; 2.2. Principle of RFID 2.3. Components of an RFID system 2.3.1. Reader; 2.3.2. RFID tag; 2.3.3. RFID middleware; 2.4. Issues; 2.5. Bibliography; Chapter 3. Wireless Sensor Networks: Technology Overview; 3.1. History and context; 3.1.1. From smart dust to smart plants; 3.1.2. Application requirements in modern WSNs; 3.2. The node; 3.2.1. Communication; 3.2.2. Computation; 3.2.3. Sensing; 3.2.4. Energy; 3.3. Connecting nodes; 3.3.1. Radio basics; 3.3.2. Common misconceptions; 3.3.3.

Reliable communication in practice: channel hopping; 3.4. Networking nodes; 3.4.1. Medium access control; 3.4.2. Multi-hop routing  
3.5. Securing communication3.6. Standards and Fora; 3.7. Conclusion; 3.8. Bibliography; Chapter 4. Power Line Communication Technology Overview; 4.1. Introduction; 4.2. Overview of existing PLC technologies and standards; 4.2.1. History of PLC technologies; 4.2.2. Different types of in-home PLC technologies; 4.2.3. Security; 4.2.4. Performances of PLC technologies; 4.2.5. Standards and normalization; 4.3. Architectures for home network applications; 4.3.1. Architecture for a high bit-rate home network application; 4.3.2. Architecture for low bit-rate home network application  
4.4. Internet of things using PLC technology4.4.1. Connecting objects in the indoor environment; 4.4.2. Interoperability of connecting objects in the home environment; 4.5. Conclusion; 4.6. Bibliography; Chapter 5. RFID Applications and Related Research Issues; 5.1. Introduction; 5.2. Concepts and terminology; 5.2.1. Radio-frequency identification; 5.2.2. Transponder (tag) classes; 5.2.3. Standards; 5.2.4. RFID system architecture; 5.2.5. Other related technologies; 5.3. RFID applications; 5.3.1. Logistics and supply chain; 5.3.2. Production, monitoring and maintenance  
5.3.3. Product safety, quality and information5.3.4. Access control and tracking and tracing of individuals; 5.3.5. Loyalty, membership and payment; 5.3.6. Household; 5.3.7. Other applications; 5.4. Ongoing research projects; 5.4.1. Hardware issues; 5.4.2. Protocols; 5.5. Summary and conclusions; 5.6. Bibliography; Chapter 6. RFID Deployment for Location and Mobility Management on the Internet; 6.1. Introduction; 6.2. Background and related work; 6.2.1. Localization; 6.2.2. Mobility management; 6.3. Localization and handover management relying on RFID; 6.3.1. A technology overview of RFID 6.3.2. How RFID can help localization and mobility management

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#### Sommario/riassunto

Internet of Things: Connecting Objects... puts forward the technologies and the networking architectures which make it possible to support the Internet of Things. Amongst these technologies, RFID, sensor and PLC technologies are described and a clear view on how they enable the Internet of Things is given. This book also provides a good overview of the main issues facing the Internet of Things such as the issues of privacy and security, application and usage, and standardization.

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2. Record Nr.	UNINA9910913776903321
Autore	Blenkinsop Sean
Titolo	Wilding Ecologies, Walking-with Glacier : An Educational Novella / / by Karen Malone, Sean Blenkinsop, Bob Jickling, Marcus Morse
Pubbl/distr/stampa	Cham : , : Springer Nature Switzerland : , : Imprint : Palgrave Macmillan, , 2024
ISBN	9783031631825 303163182X
Edizione	[1st ed. 2024.]
Descrizione fisica	1 online resource (164 pages)
Altri autori (Persone)	JicklingBob MorseMarcus MaloneKaren
Disciplina	371.384
Soggetti	Outdoor education Environmental education Alternative education Outdoor Education Environmental and Sustainability Education Alternative Education Experiential Education Educació no-formal Educació ambiental Educació a l'aire lliure Llibres electrònics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Acknowledgments -- Dedications -- Authors Biographies -- List of Figures -- Walking-with Glacier -- Witnessing-with Glacier -- Weeping-with Glacier -- Awakening-with Arne -- Dreaming-with Glacier -- Appendix -- Index.
Sommario/riassunto	“Wilding Ecologies: Walking-with Glacier” is a courageous and honest attempt of the authors to bear witness, to move beyond just thinking and talking about threatened wild places and landscapes. What is needed, they argue, is to live with and listen to those places too, like

the Hardangerjøkulen glacier in Norway. The group draws deep inspiration from visiting the elevated hut of the late ecophilosopher Arne Næss, who held that “the smaller we come to feel ourselves compared with the mountain, the nearer we come to participating in its greatness.” —Jan van Boeckel, Professor Art & Sustainability, Hanze University of Applied Sciences, Groningen, The Netherlands This book is an educational novella composed from diverse encounters of walking-with a glacier, offering the reader possibilities for wilding ecologies as a means to be immersed in more-than-human lives and places. Wild rivulets of ecologies run through this novella, shifting fragments of geologic time over a disintegrating, icy, and watery landscape. Walking-with is positioned in the novella as an embodied methodology for attuning to, slowing down and paying attention. While walking, we weep, and bear witness to the unseen. In turn, this novella works with flows of pedagogy, theory, and collective creative practice. Glacier stories speaking through photographs, prose, poetry, and provocations. Collectively, the gathering of experiences in this book explores what it means to be human and more-than-human in the context of glacial melt and shifting loss. What is means to be changing our planet and, all the time, changing ourselves. Wilding ecologies emerges in the book, as a means to disrupt these anthropocentric ways of knowing, and by showing up, being affected, we can reawaken a newfound love and enchantment. Karen Malone is Professor of Education and Environmental Philosophy at Swinburne University of Technology, Australia. Sean Blenkinsop is Professor, Faculty of Education, Simon Fraser University, Vancouver, Canada. Bob Jickling is Professor Emeritus at Lakehead University, Canada. Marcus Morse is Associate Professor of Outdoor and Environmental Education at the University of Tasmania, Australia.

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