1.	Record Nr.	UNINA9910824327703321
	Autore	Iniewski Krzysztof
	Titolo	Convergence of mobile and stationary next-generation networks / / edited by Krzysztof Iniewski
	Pubbl/distr/stampa	Hoboken, N.J., : John Wiley & Sons, c2010
	ISBN	1-118-09779-3
		1-282-75597-8
		9786612755972
		0-470-63097-3
		0-470-63096-5
	Edizione	[1st ed.]
	Descrizione fisica	1 online resource (806 p.)
	Disciplina	004.6/8
	Soggetti	Wireless LANs
		Optical fiber communication
		Internetworking (Telecommunication)
	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	Preface -- Contributors -- Part I Access and Backhaul Networks -- 1 Roadmap for Next Generation Communications Networks (Mar<U+0083>ia ngeles Callejo Rodr<U+0083>iguez and Jos Enr<U+0083>iquez Gabeiras) -- 2 Wide-Area Ubiquitous Network: An Infrastructure for Sensor and Actuator Networking (Hiroshi Saito, Masato Matsuo, Osamu Kagami, Shigeru Kuwano, Daisei Uchida, and Yuichi Kado) -- 3 Wireline Access Networks (Scott Reynolds) -- 4 Fiber-Wireless (FIWI) Networks: Technologies, Architectures, and Future Challenges (Navid Ghazisaidi and Martin Maier) -- 5 Packet Backhaul Network (Hao Long) -- 6 Microwave Backhaul Networks (Ron Nadiv) -- Part II Wireline Technologies -- 7 Paving the Road to Gbit/s Broadband Access with Copper (Thomas Magesacher, Per <U+00d6>dling, Miguel Berg, Stefan Hst, Enrique Areizaga, Per Ola Brjesson and Eduardo Jacob) -- 8 Dynamic Bandwidth Allocation in EPON and GPON (Bj<U+008a>orn Skubic, Jiajia Chen, Jawwad Ahmed, Biao Chen and Lena Wosinska) -- 9 Next-Generation Ethernet Passive Optical Networks: 10G-EPON (Marek Hajduczenia and Henrique J. A. da Silva)

| Sommario/riassunto | "Filled with illustrations and practical examples from industry, this book provides a brief but comprehensive introduction to the next-generation wireless networks that will soon replace more traditional wired technologies. Written by a mixture of top industrial experts and key academic professors, it is the only book available that covers both wireless networks (such as wireless local area and personal area networks) and optical networks (such as long-haul and metropolitan networks) in one volume. It gives engineers and engineering students the necessary knowledge to meet challenges of next-gen network development and deployment"-- "This book covers wireless networks such as wireless local area networks (WLAN), wireless personal area networks (WPAN), wireless access, 3G/4G cellular, and RF transmission, as well as optical networks like long-haul and metropolitan networks, optical fiber, photonic devices, VLSI chips"-- |