1.	Record Nr.	UNISA996465362003316
	Autore	Sunyaev Ali
	Titolo	Internet Computing [[electronic resource]] : Principles of Distributed Systems and Emerging Internet-Based Technologies / / by Ali Sunyaev
	Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2020
	ISBN	3-030-34957-8
	Edizione	[1st ed. 2020.]
	Descrizione fisica	1 online resource (XVIII, 413 p. 94 illus.)
	Disciplina	005.276
	Soggetti	Application software
		Management information systems
		Computer communication systems
		Software engineering
		Information Systems Applications (incl. Internet)
		Business IT Infrastructure
		Computer Communication Networks
		Software Engineering
		Internet
		Programari d'aplicació
		Sistemes d'informació per a la gestió
		Enginyeria de programari
		Llibres electrònics
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Nota di bibliografia	Includes bibliographical references.
	Nota di contenuto	1 Introduction to Internet Computing -- 2 Information Systems Architecture -- 3 Design of Good Information Systems Architectures -- 4 Internet Architectures -- 5 Middleware -- 6 Web services -- 7 Cloud Computing -- 8 Fog and Edge Computing -- 9 Distributed Ledger Technology -- 10 The Internet of Things -- 11 Critical Information Infrastructures -- 12 Emerging Technologies -- Glossary.
	Sommario/riassunto	This book introduces the reader to the fundamentals of contemporary, emerging and future technologies and services in Internet computing. It covers essential concepts such as distributed systems architectures and

web technologies, contemporary paradigms such as cloud computing and the Internet of things, and emerging technologies like distributed ledger technologies and fog computing. The book also highlights the interconnection and recombination of these Internet-based technologies, which together form a critical information infrastructure with major impacts on individuals, organizations, governments, economies, and society as a whole. Intended as a textbook for upper undergraduate and graduate classes, it features a wealth of examples, learning goals and summaries for every chapter, numerous recommendations for further reading, and questions for checking students' comprehension. A dedicated author website offers additional teaching material and more elaborate examples. Accordingly, the book enables students and young professionals in IT-related fields to familiarize themselves with the Internet's basic mechanisms, and with the most promising Internet-based technologies of our time.