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	Descrizione fisica	1 online resource (XXII, 413 p. 22 illus.)
	Collana	Texts in Computer Science, , 1868-095X
	Disciplina	174.9004
	Soggetti	Computers and civilization
		Application software
		Cryptography
		Data encryption (Computer science)
		User interfaces (Computer systems)
		Human-computer interaction
		Science - Social aspects
		Technology - Philosophy
		Computers and Society
		Computer and Information Systems Applications
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	Lingua di pubblicazione	Inglese
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	Livello bibliografico	Monografia
	Note generali	Includes index.
	Nota di contenuto	History of Computing -- Morality and the Law -- Ethics and Ethical Analysis -- Ethics and the Professions -- Anonymity, Security, Privacy, and Civil Liberties -- Intellectual Property Rights and Computer Technology -- Social Context of Computing -- Software Issues: Risks and Liabilities -- Computer Crimes -- New Frontiers for Computer Ethics: Artificial Intelligence -- New Frontiers for Computer Ethics: Virtualization and Virtual Reality -- New Frontiers for Computer Ethics: Cyberspace and Online Social Networks -- Cyberbullying -- New

Frontiers for Computer Ethics: Internet of Things (IoT) -- Ethical, Privacy and Security Issues in the Social Network EcoSystems -- Mobile Systems and Intractable Social, Ethical and Security Issues -- Computer Crime Investigations – Computer Forensics -- Biometrics.

Sommario/riassunto	This engaging and thought-provoking textbook examines the ethical, social, and policy challenges arising from our rapidly and continuously evolving computing technology, ranging from the Internet to the ubiquitous portable devices we use to access it. The text emphasizes the need for a strong ethical framework for all applications of computer science and engineering in our professional and personal life. This thoroughly revised and updated sixth edition features two new chapters covering online harassment and cyberbullying, and the complex issues introduced by the emergence of the Internet of Things (IoT). Topics and features: Establishes a philosophical framework and analytical tools for discussing moral theories and problems in ethical relativism Offers pertinent discussions on privacy, surveillance, employee monitoring, biometrics, civil liberties, harassment, the digital divide, and discrimination Examines the ethical, cultural and economic realities of mobile telecommunications, computer social network ecosystems, and virtualization technology Reviews issues of property rights, responsibility and accountability relating to information technology and software Explores the evolution of electronic crime, network security, and computer forensics Introduces the new frontiers of ethics: virtual reality, artificial intelligence, and the Internet Discusses the security quagmire of the IoT, and the growing threat of bullying facilitated by electronic technology (NEW) Provides exercises, objectives, and issues for discussion with every chapter This extensive textbook/reference addresses the latest curricula requirements for understanding the cultural, social, legal, and ethical issues in computer science and related fields, and offers invaluable advice for industry professionals wishing to put such principles into practice. Dr. Joseph Migga Kizza is a Professor and Head of the Department of Computer Science and Engineering at the University of Tennessee at Chattanooga, USA. He is also the author of the successful Springer title Guide to Computer Network Security.