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Edizione	[Seventh edition.]
Descrizione fisica	1 online resource (432 pages)
Collana	Texts in Computer Science Series
Disciplina	174.9004
Soggetti	Computers and civilization Information society Information technology - Moral and ethical aspects Information technology - Social aspects
Lingua di pubblicazione	Inglese
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	1. History of Computing -- 2. Morality and the Law -- 3. Ethics and Ethical Analysis -- 4. Ethics and the Professions -- 5. Anonymity, Security, Privacy, and Civil Liberties -- 6. Intellectual Property Rights and Computer Technology -- 7. Social Context of Computing -- 8. Software Issues: Risks and Liabilities -- 9. Computer Crimes -- 10. New Frontiers for Computer Ethics: Artificial Intelligence -- 11. New Frontiers for Computer Ethics: Virtualization and Virtual Reality -- 12. New Frontiers for Computer Ethics: Cyberspace and Online Social Networks -- 13. Cyberbullying -- 14. New Frontiers for Computer Ethics: Internet of Things (IoT) -- 15. Ethical, Privacy and Security Issues in the Social Network EcoSystems.16. - Mobile Systems and Intractable Social, Ethical and Security Issues -- 17. Computer Crime Investigations – Computer Forensics -- 18. Biometrics.
Sommario/riassunto	This engaging and thought-provoking textbook examines the ethical, social, and policy challenges arising from evolving computing technology—ranging from the Internet, over to the cross-platforms consisting of ubiquitous portable and wearable devices to the eagerly anticipated metaverse—and how we can responsibly use these spaces. The text emphasizes the need for a strong ethical framework for

computer science and engineering in our professional and personal life. This comprehensive seventh edition features thoroughly revised chapters with new and updated content, hardened by the bedrock ethical and moral values. Because of the rapidly changing computing and telecommunication ecosystem, a new chapter on Ethics and Social Responsibility in the Metaverse has been added. The interface between our current universe and the evolving metaverse presents a security quagmire. The discussion throughout the book is candid and intended to ignite students' interest and participation in class discussions and beyond. Topics and features: Establishes a philosophical framework and analytical tools for discussing moral theories and problems Offers pertinent discussions on privacy, surveillance, employee monitoring, biometrics, civil liberties, harassment, the digital divide, and discrimination Discusses the security and ethical quagmire in the developing metaverse Provides exercises, objectives, and issues for discussion with every chapter 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 Explores the evolution of electronic crime, network security, and computer forensics 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 Professor and Head, Department of Computer Science and Engineering at the University of Tennessee at Chattanooga, USA. He is also the author of the successful Springer titles Ethical and Secure Computing and Guide to Computer Network Security.
