

Ethics In Information Technology Third Edition Reynolds

"This book presents quality articles focused on key issues concerning the behavioral and social aspects of information technology"--Provided by publisher.

Luciano Floridi develops an original ethical framework for dealing with the new challenges posed by Information and Communication Technologies (ICTs). ICTs have profoundly changed many aspects of life, including the nature of entertainment, work, communication, education, health care, industrial production and business, social relations, and conflicts. They have had a radical and widespread impact on our moral lives and on contemporary ethical debates. Privacy, ownership, freedom of speech, responsibility, technological determinism, the digital divide, and pornography online are only some of the pressing issues that characterise the ethical discourse in the information society. They are the subject of Information Ethics (IE), the new philosophical area of research that investigates the ethical impact of ICTs on human life and society. Since the seventies, IE has been a standard topic in many curricula. In recent years, there has been a flourishing of new university courses, international conferences, workshops, professional organizations, specialized periodicals and research centres. However, investigations have so far been largely influenced by professional and technical approaches, addressing mainly legal, social, cultural and technological problems. This book is the first philosophical monograph entirely and exclusively dedicated to it. Floridi lays down, for the first time, the conceptual foundations for IE. He does so systematically, by pursuing three goals: a) a metatheoretical goal: it describes what IE is, its problems, approaches and methods; b) an introductory goal: it helps the reader to gain a better grasp of the complex and multifarious nature of the various concepts and phenomena related to computer ethics; c) an analytic goal: it answers several key theoretical questions of great philosophical interest, arising from the investigation of the ethical implications of ICTs. Although entirely independent of The Philosophy of Information (OUP, 2011), Floridi's previous book, The Ethics of Information complements it as new work on the foundations of the philosophy of information.

Our social, educational, professional, and political ethics play a significant role in every aspect of our life. As technology continues to influence our society, these principles needs to be valued. Moral, Ethical, and Social Dilemmas in the Age of Technology: Theories and Practice highlights the innovations and developments in the ethical features of technology in society. This comprehensive collection brings together research in the areas of computer, engineering, and biotechnical ethics. These theoretical studies and innovative methodologies are essential for researchers, practitioners and philosophers.

This book charts technological developments from an African ethical perspective. It explores the idea that while certain technologies have benefited Africans, the fact that these technologies were designed and produced in and for a different setting leads to conflicts with African ethical values. Written in a simple and engaging style, the authors apply an African ethical lens to themes such as: The Fourth Industrial Revolution, the moral status of technology, technology and sexual relations, and bioethics and technology.

Codes of Ethics and Ethical Guidelines

Narrative and Technology Ethics

Computer Ethics

Gender, Ethics and Information Technology

Cautionary Tales and Ethical Dilemmas in Computing

Theories and Practice

This open access book proposes a novel approach to Artificial Intelligence (AI) ethics. AI offers many advantages: better and faster medical diagnoses, improved business processes and efficiency, and the automation of boring work. But undesirable and ethically problematic consequences are possible too: biases and discrimination, breaches of privacy and security, and societal distortions such as unemployment, economic exploitation and weakened democratic processes. There is even a prospect, ultimately, of super-intelligent machines replacing humans. The key question, then, is: how can we benefit from AI while addressing its ethical problems? This book presents an innovative answer to the question by presenting a different perspective on AI and its ethical consequences. Instead of looking at individual AI techniques, applications or ethical issues, we can understand AI as a system of ecosystems, consisting of numerous interdependent technologies, applications and stakeholders. Developing this idea, the book explores how AI ecosystems can be shaped to foster human flourishing. Drawing on rich empirical insights and detailed conceptual analysis, it suggests practical measures to ensure that AI is used to make the world a better place.

Presents guidelines and rules for teachers, parents, librarians, and other adults to use in teaching children ethical behavior regarding computers and the Internet, and presents thirty-six scenarios related to privacy, property, and appropriate use, along with discussion questions.

Information and communication technologies of the 20th century have had a significant impact on our daily lives. They have brought new opportunities as well as new challenges for human development. The Philosopher: Luciano Floridi claims that these new technologies have led to a revolutionary shift in our understanding of humanity's nature and its role in the universe. Florodi's philosophical analysis of new technologies leads to a novel metaphysical framework in which our understanding of the ultimate nature of reality shifts from a materialist one to an informational one. In this world, all entities, be they natural or artificial, are analyzed as informational entities. This book provides critical reflection to this idea, in four different areas: Information Ethics and The Method of Levels of Abstraction The Information Revolution and Alternative Categorizations of Technological Advancements Applications: Education, Internet and Information Science Epistemic and Ontic Aspects of the Philosophy of Information

Explores current issues in the field of cyberethics, including questions about onlinepersonal privacy, sharing music, and unreliable software, and analyzes the practical, moral, and legal implications of each issue.

Ethics for the Information Age

An Ethics Guide for Parents, Teachers, Librarians, and Others who Care about Computer-using Young People

Ethical and Social Issues in the Information Age

Cultural Perspectives

Society, Ethics, and Technology

Ethical Use of Information Technology in Higher Education

This comprehensive textbook introduces students to the wide-ranging responsibilities of computing, science and engineering professionals by laying strong transdisciplinary foundations and by highlighting ethical issues that may arise during their careers. The work is well illustrated, and makes extensive use of both activities, and ethical dilemmas which are designed to stimulate reader engagement. A number of memorable case studies are also included and frequently draw on the demanding aerospace industry. The book adopts a strongly human centric approach, with matters such as privacy erosion and censorship being viewed not only in their current context but also in terms of their ongoing evolution. What are our individual ethical responsibilities for ensuring that we do not develop for future generations a technological leviathan with the potential to create a dystopian world? A broad range of technologies and techniques are introduced and are examined within an ethical framework. These include biometrics, surveillance systems (including facial recognition), radio frequency identification devices, drone technologies, the Internet of Things, and robotic systems. The application and potential societal ramifications of such systems are examined in some detail and this is intended to support the reader in gaining a clear insight into our current direction of travel. Importantly, the author asks whether we can afford to allow ongoing developments to be primarily driven by market forces, or whether a more cautious approach is needed. Further chapters examine the benefits that are associated with ethical leadership, environmental issues relating to the technology product lifecycle (from inception to e-waste), ethical considerations in research (including medical experimentation involving both humans and animals), and the need to develop educational programs which will better prepare students for the needs of a much more fluid employment landscape. The final chapter introduces a structured approach to ethical issue resolution, providing a valuable, long-term source of reference. In addition it emphasises the ethical responsibilities of the professional, and considers issues that can arise when we endeavour to effect ethically sound change within organisations. Examples are provided which highlight the possible ramifications of exercising ethical valour. The author has thus created an extensively referenced textbook that catalyses student interest, is internationally relevant, and which is multicultural in both its scope and outlook.

Information and Computer Ethics deals with the basic idea of information ethics. It also includes the concept of moral methodology and information technology. It provides the reader with basic insights of global development of information technology and computer ethics so as to understand the ethical issues that are involved in the information and computer sector along with the regulatory issues and challenges. This book also discusses about normative theories and computer ethics, ethical issues involved in the sector of information and computer, international development and computer ethics, technologies of autonomous agency and regulatory issues and challenges involved in the sector of information and computer ethics.

For anyone interested in the issues arising from computer malfunctions and, moreperniciously, from misuse, this new edition of Computer Ethics is right on the mark. Widelyacclaimed for its readability and its balanced and authoritative coverage, Computer Ethics has beenthoroughly revised and updated with new anecdotes, new revelations, and lively discussion of theethical, social, and professional issues arising from the computer revolution, such as computercrime, software theft, hacking, viruses, and the invasion of privacy.An entirely rewritten firstchapter is followed by expanded chapters that contain compelling new case studies and analyses. Anew final section contains 10 hypothetical scenarios for group discussion. Copies of the ACM Code ofEthics and the ACM-IEEE Computing Curricula are included in the appendixes.Tom Forester is SeniorLecturer in the School of Computing and Information Technology at Griffith University, Queensland,Australia, and is editor or author of seven books on the social aspects of computers. Perry Morrisonlectures in psychology at the National University of Singapore.

Ethics in Information TechnologyCourse Technology Ptr

Ethics of Computing

Analyzing Information Technology

Machine Ethics and Robot Ethics

Ethical Issues in Information Systems

Ethics and Technology

Ethics in Computing, Science, and Engineering

This book investigates how ethics generally precedes legal regulation, and looks at how changes in codes of ethics represent an unparalleled window into the research, innovation, and emerging technologies they seek to regulate. It provides case studies from the fields of engineering, science, medicine and social science showing how professional codes of ethics often predate regulation and help shape the ethical use of emerging technologies and professional practice. Changes in professional ethics are the crystallization of ongoing conversation in scientific and professional fields about how justice, privacy, safety and human rights should be realized in practice where the law is currently silent. This book is a significant addition to this area of practical and professional ethics and is of particular interest to practitioners, scholars, and students interested in the areas of practical and applied ethics.

"This book is the first publication that takes a genuinely global approach to the diverse ethical issues evoked by Information and Communication Technologies and their possible resolutions. Readers will gain a greater appreciation for the problems and possibilities of genuinely global information ethics, which are urgently needed as information and communication technologies continue their exponential growth"--Provided by publisher.

"This book summarizes the main theories of globalized ethics and show their inadequacies in dealing with IT-enabled global ethical problem"--Provided by publisher.

This book brings feminist philosophy, in the shape of feminist ethics, politics and legal theory, to an analysis of computer ethics problems including hacking, privacy, surveillance, cyberstalking and Internet dating. Adam claims that these issues cannot be properly understood unless we see them as problems relating to gender. For the first time, these issues are put under the feminist spotlight to show that traditional responses reproduce the public/private split which has so often reinforced the causes of women's oppression.

Ethics in Information Technology

The Ethics of Information Technologies

Science and Technology Governance and Ethics

Information Technology and the Ethics of Globalization: Transnational Issues and Implications

The Ethics of Information Technology and Business

Handbook of Research on Public Information Technology

Written in clear, accessible prose, the Fourth edition ofComputer Ethics brings together philosophy, law, and technology. The text provides an in-depth exploration and analysis of a broad range of topics regarding the ethical implications of widespread use of computer technology. The approach is normative while also exposing the student to alternative ethical stances.

An introduction to the social and policy issues which have arisen as a result of IT. Whilst it assumes a modest familiarity with computers, the book provides a guide to the issues suitable for undergraduates. In doing so, the author prompts students to consider questions such as: * How do morality and the law relate to each other? * What should be covered in a professional code of conduct for information technology professionals? * What are the ethical issues relating to copying software? * Is electronic monitoring o employees wrong? * What are the moral codes of cyberspace? Throughout, the book shows how in many ways the technological development is outpacing the ability of our legal systems, and how different paradigms applied to ethical questions often proffer conflicting conclusions. As a result, students will find this a thought-provoking and valuable survey of the new and difficult ethical questions posed by the Internet, artificial intelligence, and virtual reality.

This is the first study of business ethics to take into consideration the plethora of issues raised by the Information Age. The first study of business ethics to take into consideration the plethora of issues raised by the Information Age. Explores a wide range of topics including marketing, privacy, and the protection of personal information; employees and communication privacy; intellectual property issues; the ethical issues of e-business; Internet-related business ethics problems; and the ethical dimension of information technology on society. Uncovers previous ignored ethical issues. Underlines the need for public discussion of the issues. Argues that computers and information technology have not necessarily developed in the most ethical manner possible.

Information and Communication Technologies (ICTs) have profoundly changed many aspects of life, including the nature of entertainment, work, communication, education, healthcare, industrial production and business, social relations and conflicts. They have had a radical and widespread impact on our moral lives and hence on contemporary ethical debates. The Cambridge Handbook of Information and Computer Ethics, first published in 2010, provides an ambitious and authoritative introduction to the field, with discussions of a range of topics including privacy, ownership, freedom of speech, responsibility, technological determinism, the digital divide, cyber warfare, and online pornography. It offers an accessible and thoughtful survey of the transformations brought about by ICTs and their implications for the future of human life and society, for the evaluation of behaviour, and for the evolution of moral values and rights. It will be a valuable book for all who are interested in the ethical aspects of the information society in which we live.

Encyclopedia of Information Ethics and Security

Selected Readings on the Human Side of Information Technology

Information Technology Ethics: Cultural Perspectives

Emerging Technologies, Changing Fields

Artificial Intelligence for a Better Future

Critical Reflections

This textbook raises thought-provoking questions regarding our rapidly-evolving computing technologies, highlighting the need for a strong ethical framework in our computer science education. Ethics in Computing offers a concise introduction to this topic, distilled from the more expansive Ethical and Social Issues in the Information Age. Features: introduces the philosophical framework for analyzing computer ethics; describes the impact of computer technology on issues

of security, privacy and anonymity; examines intellectual property rights in the context of computing; discusses such issues as the digital divide, employee monitoring in the workplace, and health risks; reviews the history of computer crimes and the threat of cyberbullying; provides coverage of the ethics of AI, virtualization technologies, virtual reality, and the Internet; considers the social, moral and ethical challenges arising from social networks and mobile communication technologies; includes discussion questions and exercises.

Rapid technological advancement has given rise to new ethical dilemmas and security threats, while the development of appropriate ethical codes and security measures fail to keep pace, which makes the education of computer users and professionals crucial. The Encyclopedia of Information Ethics and Security is an original, comprehensive reference source on ethical and security issues relating to the latest technologies. Covering a wide range of themes, this valuable reference tool includes topics such as computer crime, information warfare, privacy, surveillance, intellectual property and education. This encyclopedia is a useful tool for students, academics, and professionals.

This reference text covers ethics in information technology, intellectual property, and privacy techniques. It will serve as a useful text for senior undergraduate and graduate students in interdisciplinary areas including computer science, information technology, electronics and communication engineering, and electrical engineering.

Offering insights and coverage of the field of cyberethics, this book introduces readers to issues in computer ethics. The author combines his years of experience in the field with coverage of concepts and real-world case studies.

Handbook of Research on Technoethics

The Handbook of Information and Computer Ethics

African Values, Ethics, and Technology

The Cambridge Handbook of Information and Computer Ethics

Ethical Technology Use, Policy, and Reactions in Educational Settings

Encyclopedia of Information Science and Technology, Third Edition

This book proposes that technologies, similar to texts, novels and movies, ‘tell stories’ and thereby configure our lifeworld in the Digital Age. The impact of technologies on our lived experience is ever increasing: innovations in robotics challenge the nature of work, emerging biotechnologies impact our sense of self, and blockchain-based smart contracts profoundly transform interpersonal relations. In their exploration of the significance of these technologies, Reijers and Coeckelbergh build on the philosophical hermeneutics of Paul Ricoeur to construct a new, narrative approach to the philosophy and ethics of technology. The authors take the reader on a journey: from a discussion of the philosophy of praxis, via a hermeneutic notion of technical practice that draws on MacIntyre, Heidegger and Ricoeur, through the virtue ethics of Vallor, and Ricoeur’s ethical aim, to the eventual construction of a practice method which can guide ethics in research and innovation. In its creation of a compelling hermeneutic ethics of technology, the book offers a concrete framework for practitioners to incorporate ethics in everyday technical practice.

Ideal for students in sociology, philosophy, and computer science courses, Computers, Ethics, and Society serves as a reminder that although technology has the potential to improve or undermine our quality of life, it is society which has the power to ultimately decide how computers will affect our lives. Computers, Ethics, and Society, now in its second edition, provides a stimulating set of interdisciplinary readings specifically designed to understand these issues. The readings examine current computer problems, discussing them at a level that can explain future realities.

Once the stuff of science fiction, recent progress in artificial intelligence, robotics, and machine learning means that these rapidly advancing technologies are finally coming into widespread use within everyday life. Such rapid development in these areas also brings with it a host of social, political and legal issues, as well as a rise in public concern and academic interest in the ethical challenges these new technologies pose. This volume is a collection of scholarly work from leading figures in the development of both robot ethics and machine ethics; it includes essays of historical significance which have become foundational for research in these two new areas of study, as well as important recent articles. The research articles selected focus on the control and governance of computational systems; the exploration of ethical and moral theories using software and robots as laboratories or simulations; inquiry into the necessary requirements for moral agency and the basis and boundaries of rights; and questions of how best to design systems that are both useful and morally sound. Collectively the articles ask what the practical ethical and legal issues, arising from the development of robots, will be over the next twenty years and how best to address these future considerations.

This volume collects key influential papers that have animated the debate about information computer ethics over the past three decades, covering issues such as privacy, online trust, anonymity, values sensitive design, machine ethics, professional conduct and moral responsibility of software developers. These previously published articles have set the tone of the discussion and bringing them together here in one volume provides lecturers and students with a one-stop resource with which to navigate the debate.

Impact of the Internet on Our Moral Lives, The

Codes, spaces for discussion and law

A Concise Module

Luciano Floridi’s Philosophy of Technology

An Ecosystem Perspective on the Ethics of AI and Emerging Digital Technologies

Information and Computer Ethics

"This 10-volume compilation of authoritative, research-based articles contributed by thousands of researchers and experts from all over the world emphasized modern issues and the presentation of potential opportunities, prospective solutions, and future directions in the field of information science and technology"--Provided by publisher.

This major reference work represents the first attempt to confront, on a world-wide basis, the way computer associations face up to their own responsibilities in an age increasingly dominated by information and communication technology. The book deals with the codes of ethics and conduct, and related issues. It is the first book to deal with homogenous codes namely codes of national computer societies. Some thirty codes are compared and analysed in depth. To put these into perspective, there are discussion papers covering the methodological, philosophical and organisational issues.

This handbook provides an accessible overview of the most important issues in information and computer ethics. It covers: foundational issues and methodological frameworks; theoretical issues affecting property, privacy, anonymity, and security; professional issues and the information-related professions; responsibility issues and risk assessment; regulatory issues and challenges; access and equity issues. Each chapter explains and evaluates the central positions and arguments on the respective issues, and ends with a bibliography that identifies the most important supplements available on the topic.

As computers are increasingly integrated into the classroom, instructors must address a number of pressing ethical questions regarding online behavior, course design, cyberbullying, and student cyber behavior. Ethical Technology Use, Policy, and Reactions in Educational Settings provides state-of-the-art research on the impact of ethical computer use in academia and emphasizes the cyberphilosophical aspects of human-computer interactions. It provides significant analysis of the ethical use of educational Internet and computer applications.

A Global Perspective from Europe, India and China

Controversies, Questions, and Strategies for Ethical Computing

Learning Right from Wrong in the Digital Age

Ethical Issues in an Age of Information and Communication Technology

Ethics in Computing

This book addresses current issues regarding the ethical use of information technology in a holistic vision, by combining the perspectives of education specialists and those in the field of computer science at the level of higher education. It provides a current ethical perspective on the problems and solutions involved in the use of information technology in higher education. It appeals to readers interested in exploring the problems and appropriate solutions related to the ethical use of new technologies in higher education.

"This book traces the emergence of the new interdisciplinary field of technoethics by exploring its conceptual development, important issues, and key areas of current research. Compiling 50 authoritative articles from leading researchers on the ethical dimensions of new technologies"--Provided by publisher.

"This book compiles estimable research on the global trend toward the rapidly increasing use of information technology in the public sector, discussing such issues as e-government and e-commerce; project management and information technology evaluation; system design and data processing; security and protection; and privacy, access, and ethics of public information technology"--Provided by publisher.

This book explores the impact of technology on ethical issues. A series of real-world scenarios are drawn from both business- and technology-oriented contexts.

Computers, Ethics, and Society

Questions, Issues, and Approaches

A Student's Guide to Doing Things Right

The Ethics of Information

Transnational Issues and Implications

A Practical Guide

From today's headlines to your textbook, SOCIETY, ETHICS, AND TECHNOLOGY, Fifth Edition, explores the cutting edge of technological innovation and how these advances represent profound moral dilemmas for society as a whole. You will build a strong foundation in theory and applied ethics as you are challenged to examine critically the social effects of technology in your daily life. This timely anthology, filled with cutting-edge work from prominent scholars and thinkers, focuses on current technological issues and ethical debates.

Insightful introductions and focus questions before each piece help put readings in context and to establish frameworks for ethical decision-making. The readings examine the consequences of technological change from a variety of historical, social, and philosophical perspectives. Special coverage of the history of technology focuses on ground-breaking developments, as well as the technological underpinnings of contemporary globalization. New articles examine the impact of contemporary technological advances, such as nanotechnology, artificial intelligence, and social media. In addition, the book explores the future of technology in such areas as human rights, overpopulation, biotechnology, information technology, climate change, and the environment. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

This book analyzes the possibilities for effective global governance of science in Europe, India and China. Authors from the three regions join forces to explore how ethical concerns over new technologies can be incorporated into global science and technology policies. The first chapter introduces the topic, offering a global perspective on embedding ethics in science and technology policy. Chapter Two compares the institutionalization of ethical debates in science, technology and innovation policy in three important regions: Europe, India and China. The third chapter explores public perceptions of science and technology in these same three regions. Chapter Four discusses public engagement in the governance of science and technology, and Chapter Five reviews science and technology governance and European values. The sixth chapter describes and analyzes values demonstrated in the constitution of the People's Republic of China. Chapter Seven describes emerging evidence from India on the uses of science and technology for socio-economic development, and the quest for inclusive growth. In Chapter Eight, the authors propose a comparative framework for studying global ethics in science and technology. The following three chapters offer case studies and analysis of three emerging industries in India, China and Europe: new food technologies, nanotechnology and synthetic biology. Chapter 12 gathers all these threads for a comprehensive discussion on incorporating ethics into science and technology policy. The analysis is undertaken against the backdrop of different value systems and varying levels of public perception of risks and benefits. The book introduces a common analytical framework for the comparative discussion of ethics at the international level. The authors offer policy recommendations for effective collaboration among the three regions, to promote responsible governance in science and technology and a common analytical perspective in ethics.

Ethics in Information Technology, Second Edition is a timely offering with updated and brand new coverage of topical issues that we encounter in the news every day such as file sharing, infringement of intellectual property, security risks, Internet crime, identity theft, employee surveillance, privacy, and compliance.

Widely praised for its balanced treatment of computer ethics, Ethics for the Information Age offers a modern presentation of the moral controversies surrounding information technology. Topics such as privacy and intellectual property are explored through multiple ethical theories, encouraging readers to think critically about these issues and to make their own ethical decisions.

Moral, Ethical, and Social Dilemmas in the Age of Technology: Theories and Practice