

Technology And Values Essential Readings

The advancement of technologies in the 20th century has radically transformed the interconnectedness of humans, science, and technology within an evolving society. *Evolving Issues Surrounding Technoethics and Society in the Digital Age* serves as an interdisciplinary base of scholarly contributions on the subject of technoethics, a field that deals with current and future problems that arise at the intersection of science, technological innovation, and human life and society. This premier reference work leverages ethical analysis, risk analysis, technology evaluation, and the combination of ethical and technological analyses within a variety of real life decision-making contexts, appealing to scholars and technology experts working in new areas of technology research where social and ethical issues emerge.

Technological change is exciting as much as it is daunting. The arrival of new digital tools affects consumption patterns, types of employment and working conditions, and can pose challenges to organizations and individuals alike. Indeed, although technological change is a factor for economic growth, it can also be an amplifier, or even a catalyst, of inequality. It is also a social change and interacts in complex ways: technology is both the source and the consequence of social transformation. To understand technological change and to harness its effects, this book studies transformations at different levels (societal, organizational and individual). In its analysis of the subject, it also draws on a number of disciplines of the human and social sciences, such as anthropology, sociology and psychology.

Een onthutsend boek over de troeven én de valkuilen van onze digitale samenleving Trotse toekomstige ouders zetten de eerste echo van hun baby even later al op Facebook. Smartphones, selfies en apps kleuren onze dagelijkse woordenschat. Zelfs de dood maakt niet langer een onderscheid tussen online en offline. Indien je altijd herinnerd wilt worden, kun je nu al je digitale nalatenschap regelen. De laatste generatie die nog een onderscheid kan maken tussen online en offline leeft vandaag. De huidige tieners en twintigers groeien onlife op. Dit boek van Katleen Gabriels is een wake-up call voor iedereen die denkt dat hij niets te verbergen heeft in de onlinewereld. De digitale revolutie zorgt voor een waaier aan mogelijkheden, informatie en kennis, maar stelt ook onze vrijheid, zelfstandigheid en waardigheid op de proef. We worden niet enkel van bovenaf gecontroleerd, maar houden elkaar ook onderling in de gaten. Wat zijn de troeven en waar liggen de valkuilen in onze digitale wereld? Wat is nog persoonlijk en wat ligt te grabbel voor iedereen?

Offers a theoretical and practical guide to the communication and navigation of autonomous mobile robots and multi-robot systems This book covers the methods and algorithms for the navigation, motion planning, and control of mobile robots acting individually and in groups. It addresses methods of positioning in global and local coordinates systems, off-line and on-line path-planning, sensing and sensors fusion, algorithms of obstacle avoidance, swarming techniques and cooperative behavior. The book includes ready-to-use algorithms, numerical examples and simulations, which can be directly implemented in both simple and advanced mobile robots, and is accompanied by a website hosting codes, videos, and PowerPoint slides *Autonomous Mobile Robots and Multi-Robot Systems: Motion-Planning, Communication and Swarming* consists of four main parts. The first looks at the models and algorithms of navigation and motion planning in global coordinates systems with complete information about the robot's location and velocity. The second part considers the motion of the robots in the potential field, which is defined by the environmental states of the robot's expectations and knowledge. The robot's motion in the unknown environments and the corresponding tasks of environment mapping using sensed information is covered in the third part. The fourth part deals with the multi-robot systems and swarm dynamics in two and three dimensions. Provides a self-contained, theoretical guide to understanding mobile robot control and navigation Features implementable algorithms, numerical examples, and simulations Includes coverage of models of motion in global and local coordinates systems with and without direct communication between the robots Supplemented by a companion website offering codes, videos, and PowerPoint slides *Autonomous Mobile Robots and Multi-Robot Systems: Motion-Planning, Communication and Swarming* is an excellent tool for researchers, lecturers, senior undergraduate and graduate students, and engineers dealing with mobile robots and related issues.

In the digital age, the integration of technology has become a ubiquitous aspect of modern society. These advancements have significantly enhanced the field of education, allowing students to receive a better learning experience. *Digital Tools and Solutions for Inquiry-Based STEM Learning* is a comprehensive source of scholarly material on the transformation of science education classrooms through the application of technology. Including numerous perspectives on topics such as instructional design, social media, and scientific argumentation, this book is ideally designed for educators, graduate students, professionals, academics, and practitioners interested in the latest developments in the field of STEM education.

As new technology continues to emerge, the training and education of learning new skills and strategies become important for professional development. Therefore, technology leadership plays a vital role for the use of technology in organizations by providing guidance in the many aspects of using technologies. *Technology Integration and Foundations for Effective Leadership* provides detailed information on the aspects of effective technology leadership, highlighting instructions on creating a technology plan as well as the successful integration of technology into the educational environment. This reference source aims to offer a sense of structure and basic information on designing, developing, and evaluating technology projects to ensure maximum success.

As the utilization of intelligent machines spreads to numerous realms, the discourse of machine ethics has also developed and expanded. Concerns over machine intelligence and the role of automata in everyday life must be addressed before artificial intelligence and robotic technologies may be fully integrated into human society. *Rethinking Machine Ethics in the Age of Ubiquitous Technology* blends forward-looking, constructive, and interdisciplinary visions of ethical ideals, aims, and applications of machine technology. This visionary reference work incorporates ethical conversations in the fields of technology, computer science, robotics, and the medical industry, creating a vibrant dialogue between philosophical ideals and the applied sciences. With its broad scope of relevant topics, this book serves as an excellent tool for policymakers, academicians, researchers, advanced-level students, technology developers, and government officials. This timely publication features thoroughly researched articles on the topics of artificial moral agency, cyber-warfare, transhumanism, organic neural nets, human worker replacement, automaticity and global governance, security and surveillance, military drones, and more. The latest advances in technology development have been particularly useful to actor-network theory as a structure for much of its research. With a socio-technical approach to the understanding of information systems and applications, the actor-network theory aims to bring support for social influence on technological innovations. *Social and Professional Applications of Actor-Network Theory for Technology Development* presents a platform for the approaches and implementations on the actor-network theory and its relationship with technology development. This book provides researchers and practitioners with a better understanding of the usefulness of the social and technical connection.

In the modern era each new innovation poses its own special ethical dilemma. How can human society adapt to these new forms of expression, commerce, government, citizenship, and learning while holding onto its ethical and moral principles? *The Changing Scope of Technoethics in Contemporary Society* is a critical scholarly resource that examines the existing intellectual platform within the field of technoethics. Featuring coverage on a broad range of topics such as ethical perspectives on internet safety,

technoscience, and ethical hacking communication, this book is geared towards academicians, researchers, and students seeking current research on domains of technoethics. This book asks whether there exists an essence exclusive to human beings despite their continuous enhancement – a nature that can serve to distinguish humans from artificially intelligent robots, now and in the foreseeable future. Considering what might qualify as such an essence, this volume demonstrates that the abstract question of ‘essentialism’ underpins a range of social issues that are too often considered in isolation and usually justify ‘robophobia’, rather than ‘robophilia’, in terms of morality, social relations and legal rights. Any defence of human exceptionalism requires clarity about what property(ies) ground it and an explanation of why these cannot be envisaged as being acquired (eventually) by AI robots. As such, an examination of the conceptual clarity of human essentialism and the role it plays in our thinking about dignity, citizenship, civil rights and moral worth is undertaken in this volume. *What is Essential to Being Human?* will appeal to scholars of social theory and philosophy with interests in human nature, ethics and artificial intelligence.

"This text does a sterling job at identifying, outlining and defining the many elements that go to make up this booming sector of industry. What makes it particularly interesting is that it includes the view of the creative industries from the perspective of working in it, then the definitions of what products and producers are involved, and ends with the broader picture of the creative economy and predictions for future trends. Add to this that they include both theory and practice, and this really is an all-round guide to the vast domain that is loosely titled 'the creative industries'" - Angela Birchall, School of Media, Music & Performance, Salford University This is your complete guide to studying and succeeding in the creative industries. This book takes you through the history, trends, products and markets of the creative industries, showing how success depends on a mix of ideas, tactics and talent. When understanding social networks and cultural economy is just as important as hands-on skills or an entrepreneurial spirit, *Introducing the Creative Industries* shows you how to use theories, concepts and practical skills to get ahead in their course and professional life. Creatively imagined and beautifully written, this book: Interweaves theoretical concepts and professional practice on every page Uses cultural economy to teach the essential concepts and thinkers Integrates case studies from fashion and gaming to journalism and music Teaches strategies for navigating the links between skills, industries, creativity and markets. This book shows you how to spot opportunities and use your knowledge and savvy to take kickstart your career in this fast-moving industry. It is an essential guidebook for students of creativity in media and communication, design, creative industries and business.

Technology and Values Essential Readings John Wiley & Sons

This book focuses on a key issue today: the role of values in technology, with special emphasis on ethical values. This topic involves the analysis of internal values in technology (as they affect objectives, processes, and outcomes) and the study of external values in technology (social, cultural, economic, ecological, etc.). These values — internal and external — are crucial to the decision making of engineers. In addition, they have increasing relevance for citizens concerned with the present and future state of technology, which gives society a leading position in technological issues. The book follows three main lines of research: 1) new perspectives on technology, values, and ethics; 2) rationality and responsibility in technology; and 3) technology and risks. This volume analyzes the two main sides involved here: the theoretical basis for the role of values in technology and a practical discussion on how to implement them in our society. Thus, the book is of interest for philosophers, engineers, academics of different fields and policy-makers. The style used lends itself to broad audience.?

Techno-Anthropology is an emerging interdisciplinary research field focusing on human/technology interactions and relations, and how these can be understood and facilitated in context. Techno-Anthropology also considers how technological innovation, development and implementation can be made in an appropriate and pragmatic way in relation to understanding work practices. Techno-Anthropology has much to offer the health informatics and eHealth fields, and this book presents the work of experienced international researchers who share here how they have applied Techno-Anthropology methodologies to their research. The book is divided into three sections: ethnographic and anthropological perspectives on methodology; ethical and sociotechnical approaches; and users, participation and human factors. Topics covered include: learning the craft of Techno-Anthropology; anthropological approaches in studying technology induced errors; technology and the ecology of chronic illness in everyday life; Techno-Anthropologists as agents of change; and using rapid ethnography to support the design and implementation of health information technologies, as well as many more. Of interest to researchers and practitioners within the health informatics field as well as students and scholars, the book will inspire researchers and practitioners to examine health informatics from a new perspective.

This book investigates the use of network technologies in research, and explores how such use potentially changes the nature of professional learning between academics. It attempts to situate the discussion of technology use in real-world research settings, to identify the different forms of participation in intellectual exchange embedded in academic dialogue, and to further contribute to knowledge on how the use of network technology potentially changes the nature of learning. Multiple data collection methods are employed, in two forms of study: a single case study, and a number of individual interviews. The single case study was carried out over a one-year period, and consisted of interviews (22 interviewees), observations, and document review. Individual semi-structured interviews were carried out over a similar period of time with a wider and different population of 24 academics from different Oxford faculties. Half of these were interviewed twice. The main findings presented in this book demonstrate that the direct consequences of technology use are changes to academic dialogue and scholarly communication in general. The change to this critical aspect of research – scholarly communication – has potentially led to

more distributed research in interconnected research environments. It is the changes to scholarly communication and the research environment that consequently affect participation in intellectual exchange.

This book includes a selection of the best research papers presented at the annual conference of the Italian chapter of the Association for Information Systems (AIS), which took place in Verona, Italy in October 2016. Tracing various aspects of the ongoing phenomenon of evolution towards a global society, and consequently the ever-innovating digital world, it first discusses emerging technologies and the new practices in the information-systems world. It then examines the new businesses and ongoing business transformations. Lastly, it considers the economic and societal changes brought about by access to and exploitation of socio-technical networks. The plurality of views offered makes the book particularly relevant for users, companies, scientists and governments.

Posthumanism represents a significant new research direction both for International Relations and the social sciences. It emerges from questions about inter-species relations which challenge dominant perceptions of what it means to be human. Rather than seeing the human species as 'in nature' posthumanist thinking considers the species as 'of nature'. The work of posthumanist thinkers has sought to dispute accepted notions of what it means to be human, raising profound questions about our relations with the rest of nature. The volume commences with an overview of the influence thinkers have had on the development of posthumanist thinking. Key ideas in International Relations are interrogated and reconceptualised and specific case studies are presented with a focus on inter-species relations. The work allows for a consideration of the limits of the posthumanist move and provides space for critics to argue that such an approach opens the discipline up to a biological determinism, and that a focus on inter-human relations should mark the boundaries of the discipline. The essays collected in this volume provide an overview of contributions from posthumanist thinkers with the particular intention of providing a succinct introduction to the area and should appeal to scholars and students in Politics, IR and philosophy.

In Asia, amidst its varied levels of economic development and diverse cultural traditions and political regimes, the Internet and mobile communications are increasingly used in every aspect of life. Yet the analytical frames used to understand the impact of digital media on Asia predominantly originate from the Global North, neither rooted in Asia's rich philosophical traditions, nor reflective of the sociocultural practices of this dynamic region. This volume examines digital phenomena and its impact on Asia by drawing on specifically Asian perspectives. Contributors apply a variety of Asian theoretical frameworks including guanxi, face, qing, dharma and karma. With chapters focusing on emerging digital trends in China, Hong Kong, India, Japan, Korea, Philippines, Singapore, and Taiwan, the book presents compelling and diverse research on identity and selfhood, spirituality, social networking, corporate image, and national identity as shaped by and articulated through digital communication platforms.

New Technology and Education explores the benefits and dangers of the increasing use of technology in education, drawing on different cultural perspectives from across the globe to consider a variety of viewpoints. The reader is encouraged to engage with each facet of the debate considering the philosophical, psychological and sociological implications of the relationship between technology and education. Recent debates and developments are considered, including: • What is the relationship between creativity, education and new technology? • Are subject boundaries blurred by the use of new technologies? • How do we plan for technologies becoming redundant? Reflective exercises, interviews, chapter summaries and useful websites encourage and support student learning and the application of new concepts.

Health informatics applications will be a cornerstone of the next generation healthcare delivery system. These applications will support the delivery of safe, patient-centered care, and collaborative care delivery. The complexity of modern healthcare is delivered by many different specialties, to many different patients with complex diseases and comorbidity. A one size fits all approach is not adequate to reach the triple aim of improving the patient experience of care, improving the health of populations, and reducing the per capita cost of healthcare. Health informatics applications must rather be built to be adaptable and sensitive to the complex contexts where they will be used. The health informatics community has long been interested in the role that context plays in the design, implementation and evaluation of Health IT. We have come to realize that context is not just a passive characteristic that impacts Health IT usage but rather is embedded in the core of the users, processes and outcomes that Health IT interacts with. Therefore, we need better approaches to study and understand its impact on Health IT usage in different healthcare settings. This book contains the conference papers from CSHI 2017 - Delivering 21st Century Healthcare - Building a Quality-and-Efficiency Driven System. It contains papers on a variety of topics that are divided into four sections: Theoretical approaches to investigate context sensitive health informatics to generate robust evidence, Redesigning healthcare work practices, Patient participation in healthcare design and redesign, and Human factors and usability. The 2017 CSHI conference continues our efforts to develop robust scientific evidence on context and Health IT.

"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.

One of the most-read law journals adds a true ebook edition to its worldwide distribution, becoming the first general interest law review to do so. This current issue of the Stanford Law Review contains studies of law, economics, and social policy by such recognized scholars as Kenneth Bamberger, Deirdre Mulligan, Judge Richard Posner, Albert Yoon, Cynthia Estland, and Norman Spaulding. Volume 63, Issue 2's contents are: "Privacy on the Books and on the Ground," by Kenneth A. Bamberger & Deirdre K. Mulligan "What Judges Think of the Quality of Legal Representation," by Richard A. Posner & Albert H. Yoon "Just the Facts: The Case for Workplace Transparency," by Cynthia Estlund Essay, "Independence and Experimentalism in the Department of Justice," by Norman W. Spaulding Note, "The 'Benefit' of Spying: Defining the Boundaries of Economic Espionage

under the Economic Espionage Act of 1996" In the new ebook edition, the footnotes, graphs, and tables of contents (including those for individual articles) are fully linked, properly scaled, and functional; the original note numbering is retained; and the issue is properly formatted.

ONE OF A FOUR-BOOK COLLECTION SPOTLIGHTING CLASSIC ARTICLES Landmark research findings and reviews in aluminum reduction technology Highlighting some of the most important findings and insights reported over the past five decades, this volume features many of the best original research papers and reviews on aluminum reduction technology published from 1963 to 2011. Papers have been organized into seven themes: 1. Fundamentals 2. Modeling 3. Design 4. Operations 5. Control 6. Environmental 7. Alternative processes The first six themes deal with conventional Hall-Héroult electrolytic reduction technology, whereas the last theme features papers dedicated to nonconventional processes. Each section begins with a brief introduction and ends with a list of recommended articles for further reading, enabling researchers to explore each subject in greater depth. The papers for this volume were selected from among some 1,500 Light Metals articles. Selection was based on a rigorous review process. Among the papers, readers will find breakthroughs in science as well as papers that have had a major impact on technology. In addition, there are expert reviews summarizing our understanding of key topics at the time of publication. From basic research to advanced applications, the articles published in this volume collectively represent a complete overview of aluminum reduction technology. It will enable students, scientists, and engineers to trace the history of aluminum reduction technology and bring themselves up to date with the current state of the technology.

Young Children Playing and Learning in a Digital Age explores the emergence of the digital age and young children's experiences with digital technologies at home and in educational environments. Drawing on theory and research-based evidence, this book makes an important contribution to understanding the contemporary experiences of young children in the digital age. It argues that a cultural and critically informed perspective allows educators, policy-makers and parents to make sense of children's digital experiences as they play and learn, enabling informed decision-making about future early years curriculum and practices at home and in early learning and care settings. An essential read for researchers, students, policy-makers and professionals working with children today, this book draws attention to the evolution of digital developments and the relationship between contemporary technologies, play and learning in the early years.

This book examines the emergent and expanding role of technologies that hold both promise and possible peril for transforming the ageing process in this century. It discusses the points and counterpoints of technological advances that would influence a reconstruction of what it means to age when embedded in a post-human vision for a post-biological future. The book presents a provocative interdisciplinary meta-analysis that contrasts paradigms with inflection points, making the case that society has entered a new inflection point, provisionally labeled as Post Ageing. It goes on to discuss the moderate and radical versions of this inflection point and the philosophical issues that need to be addressed with the advent of post ageing activities: postponing and possibly ending ageing, primarily through technological advances. This book will be a valuable resource for professionals who wish to review the continuum of varied constructs and intersects of technologies ranging from those purporting to enhance the activities of daily living in older adults, to those that would enable the older worker to stay competitive in the labor market, to those that propose to extend longevity and ultimately, claim to transcend ageing itself—moving toward a transhumanistic domain and more specifically, a post-ageing inflection point.

Explores the ethical issues of cyberpsychology research and praxes, which arise in algorithmically paired people and technologies.

In Zinc for Coin and Brass Hailian Chen offers the first comprehensive history of Chinese zinc over the long eighteenth century. This book covers a wide range of topics including Qing China's political economy, material culture, environment, technology, and society.

This edited volume informs readers about changing norms and meanings of borders and underlines recent scenarios that shape these borders. It focuses mainly on the Mediterranean and Middle East regions through the following questions: What are the social, cultural, philosophical, political, economic and aesthetic reasons for spatial segregation within contemporary territories and cities? In the world of globalization and networks, what are the new limitations of space? What are the alienating differences between interior and exterior, private and public, urban and rural, local and global, and real and virtual? Are spatial definitions and divisions more likely to be weakened (if not totally erased) by effects of globalization and mobility, similar to the dissolution of borders between countries? Or are local practices and measures likely to become more apparent with emerging trends such as sustainability and identity? Authored by international scholars, all chapters are arranged under four main parts: Urban and Rural, Global and Local, Physical and Sensual, Real and Virtual. Hence, different concepts and definitions of borders along with varying methods and tools for questioning their essence in architectural and urban spaces will be introduced. For example, in the rural and urban context, environments, settlements-housing, landscape, transformation, conservation and development; in the global and local context, styles, identity, universal design, sustainability, globalization and networks, mobility and migration; in the physical and sensual context, design studies and methodologies, environmental psychology, aesthetic reasoning, sense of place and well-being, and in the real and virtual context, realities, tools and communities are the main themes of the chapters. This book will be an essential source for professionals, scholars, and students of architecture and urban design with a view to understanding multidisciplinary perspectives in designing borders as well as the dialectical relationship between borders and space.

People currently live in a digital age in which technology is now a ubiquitous part of society. It has become imperative to develop and maintain a comprehensive understanding of emerging innovations and technologies. Information and Technology Literacy: Concepts, Methodologies, Tools, and Applications is an authoritative reference source for the latest

scholarly research on techniques, trends, and opportunities within the areas of digital literacy. Highlighting a wide range of topics and concepts such as social media, professional development, and educational applications, this multi-volume book is ideally designed for academics, technology developers, researchers, students, practitioners, and professionals interested in the importance of understanding technological innovations.

Along with the introduction of technology in nearly every facet of human life comes the question of the ethical side of using technology to improve the human condition, whether that be physically or mentally. The capabilities of human enhancement technologies have created a dual-sided approach to discussing human enhancement: the critical approach of attempting to reach human perfection and the ethics within that idea and the endless capabilities of technology that have greatly impacted the medical field. It is essential to discuss both aspects within these emerging technologies, whether as separate entities or as cohesive units. Ranging from disease detection and treatment to implants and prosthetics to robotics and genetic engineering, human enhancement technologies are widespread and multi-purposed. By going beyond the capabilities of human hands, these technologies have propelled modern medicine and healthcare to new levels that have allowed humans to face new treatments or assistive technologies not seen before. The Research Anthology on Emerging Technologies and Ethical Implications in Human Enhancement covers the primary technologies and tools being used in medicine and healthcare along with discussions on the ethics of enhancing the human body. Topics covered include prosthetics and implants, robotics, human disorders/diseases and treatments and smart technologies, along with law and theory. This publication serves as a valuable reference work for doctors, medical professionals, researchers, students, professionals, and practitioners involved in fields that include ethics, medicine, computer science, robotics, genetics, assistive technologies, nanotechnology, biomedical engineering, and biotechnology.

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Shane Epting illustrates that the problem of “moral prioritization” rests at the heart of problems with city transportation systems. To overcome such challenges, he develops a multitiered assessment system that shows how to evaluate complicated affairs in urban mobility.

This collection is a multidisciplinary and multicultural contribution to the current sustainability discourse. It is focused on two main dimensions of our world: complexity and diversity. Desirable and urgent transition of socio-technological systems toward a sustainability trajectory of development requires a better understanding of technological trends and social transformations. General advancement of technology does not produce identical changes in various societies, differentiated economically and culturally. Moreover, the abilities to approach sustainable development change over time and space. As a result there is a constant need for continuing research, analyses, and discussions concerning changing contexts and adequacy of strategies and policies. Authors from twelve countries and of different academic and cultural settings present their insights, analyses and recommendations. The collection is focused both on contexts and on activities leading to sustainable trajectories in various domains of economy and social life. Continuing research and discussion is needed to better understand these challenges and to prepare the appropriate strategies and solutions. Development of socio-technological systems is nowadays very complex; moreover, the world we live in is extremely diverse. Therefore, sustainability discourse must be ongoing, introducing new ideas, concepts, theories, evidence and experience by various parties—academics, professionals, and practitioners.

his volume brings together a wide range of research on the ways in which technological innovations have established new and changing conditions for the experience, study and theorization of film. Drawn from the IMPACT film conference (The Impact of Technological Innovations on the Historiography and Theory of Cinema) held in Montreal in 2011, the book includes contributions from such leading figures in the field as Tom Gunning, Charles Musser, Jan Olsson and Vinzenz Hediger.

Through expanded intelligence, the use of robotics has fundamentally transformed the business industry. Providing successful techniques in robotic design allows for increased autonomous mobility, which leads to a greater productivity and production level. Rapid Automation: Concepts, Methodologies, Tools, and Applications provides innovative insights into the state-of-the-art technologies in the design and development of robotics and their real-world applications in business processes. Highlighting a range of topics such as workflow automation tools, human-computer interaction, and swarm robotics, this multi-volume book is ideally designed for computer engineers, business managers, robotic developers, business and IT professionals, academicians, and researchers.

Focused on mapping out contemporary and future domains in philosophy of technology, this volume serves as an excellent, forward-looking resource in the field and in cognate areas of study. The 32 chapters, all of them appearing in print here for the first time, were written by both established scholars and fresh voices. They cover topics ranging from data discrimination and engineering design, to art and technology, space junk, and beyond. Spaces for the Future: A Companion to Philosophy of Technology is structured in six parts: (1) Ethical Space and Experience; (2) Political Space and Agency; (3) Virtual Space and Property; (4) Personal Space and Design; (5) Inner Space and Environment; and (6) Outer Space and Imagination. The organization maps out current and emerging spaces of activity in the field and anticipates the big issues that we soon will face.

A call to action to include marginalized, non-western communities in the continuously expanding digital revolution In the digital age, technology has shrunk the physical world into a “global village,” where we all seem to be connected as an online community as information travels to the farthest reaches of the planet with the click of a mouse. Yet while we think of platforms such as Twitter and Facebook as open and accessible to all, in reality, these are commercial entities developed primarily by and for the Western world. Considering how new technologies increasingly shape labor, economics, and politics, these tools often reinforce the inequalities of globalization, rarely reflecting the perspectives of those at the bottom of the digital divide. This book asks us to re-consider ‘whose global village’ we are shaping with the digital technology revolution today. Sharing stories of collaboration with Native Americans in California and New Mexico, revolutionaries in Egypt, communities in rural India, and others across the world, Ramesh Srinivasan urges us to re-imagine what the Internet, mobile phones, or social media

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platforms may look like when considered from the perspective of diverse cultures. Such collaborations can pave the way for a people-first approach toward designing and working with new technology worldwide. Whose Global Village seeks to inspire professionals, activists, and scholars alike to think about technology in a way that embraces the realities of communities too often relegated to the margins. We can then start to visualize a world where technologies serve diverse communities rather than just the Western consumer.

What if the terms "technology" and "the body" did not refer to distinct phenomena interacting in one way or another? What if we understood their relationship as far more intimate - technologies as always already embodied, material bodies as always already technologized? What would it mean, then, to understand the relationship between technology and the body as a relation of indeterminacy? Expanding on the concept of the apparatus of bodily production in the work of Donna Haraway and Karen Barad, Josef Barla explores how material bodies along with their boundaries, properties, and meanings performatively materialize at sites where technological, biological, technoscientific, (bio-)political, and economic forces intra-act.

This volume rethinks the work of Jacques Ellul (1912-1994) on the centenary of his birth, by presenting an overview of the current debates based on Ellul's insights. As one of the most significant twentieth-century thinkers about technology, Ellul was among the first thinkers to realize the importance of topics such as globalization, terrorism, communication technologies and ecology, and study them from a technological perspective. The book is divided into three sections. The first discusses Ellul's diagnosis of modern society, and addresses the reception of his work on the technological society, the notion of efficiency, the process of symbolization/de-symbolization, and ecology. The second analyzes communicational and cultural problems, as well as threats and trends in early twenty-first century societies. Many of the issues Ellul saw as crucial – such as energy, propaganda, applied life sciences and communication – continue to be so. In fact they have grown exponentially, on a global scale, producing new forms of risk. Essays in the final section examine the duality of reason and revelation. They pursue an understanding of Ellul in terms of the depth of experience and the traditions of human knowledge, which is to say, on the one hand, the experience of the human being as contained in the rationalist, sociological and philosophical traditions. On the other hand there are the transcendent roots of human existence, as well as "revealed knowledge," in the mystical and religious traditions. The meeting of these two traditions enables us to look at Ellul's work as a whole, but above all it opens up a space for examining religious life in the technological society.

This anthology features essays and book excerpts on technology and values written by preeminent figures in the field from the early 20th century to the present. It offers an in-depth range of readings on important applied issues in technology as well. Useful in addressing questions on philosophy, sociology, and theory of technology Includes wide-ranging coverage on metaphysics, ethics, and politics, as well as issues relating to gender, biotechnology, everyday artifacts, and architecture A good supplemental text for courses on moral or political problems in which contemporary technology is a unit of focus An accessible and thought-provoking book for beginning and advanced undergraduates; yet also a helpful resource for graduate students and academics

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