Philosophy Of Technology An Introduction

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SHARP ENGLISH

Technology and the City Routledge
Introduction to Philosophy presents Heidegger's final lecture course given at the University of Freiburg in 1944 before he was drafted into the German army. While the lecture is incomplete, Heidegger provides a clear and provocative discussion of the relation between philosophy and poetry by analyzing Nietzsche's poetry. Here, Heidegger explores themes such as the home and homelessness, the age of technology, globalization, postmodernity, the philosophy of poetry and language, aesthetics, and the role of philosophy in society.
Ernst Jünger’s Philosophy of Technology Springer Nature
Offering an overall insight into the French tradition of philosophy of technology, this volume is meant to make French-speaking contributions more accessible to the international philosophical community. The first section, “Negotiating a Cultural Heritage,” presents a number of leading 20th century philosophical figures (from Bergson and Canguilhem to Simondon, Dagognet or Ellul) and intellectual movements (from Personalism to French Cybernetics and political ecology) that help shape philosophy of technology in the Francophone area, and feed into contemporary debates (ecology of technology, politics of technology, game studies). The second section, “Coining and Reconfiguring Technoscience,” traces the genealogy of this controversial concept and discusses its meanings and relevance. A third section, “Revisiting Anthropological Categories,” focuses on the relationships of technology with the natural and the human worlds from various perspectives that include anthropotechnology, Anthropocene, technological and vital norms and temporalities. The final section, “Innovating in Ethics, Design and Aesthetics,” brings together contributions that draw on various French traditions to afford fresh insights on ethics of technology, philosophy of design, techno-aesthetics and digital studies. The contributions in this volume are vivid and rich in original approaches that can spur exchanges and debates with other philosophical traditions.
Analytical Philosophy of Technology University of Georgia Press
How does science work? Does it tell us what the world is “really” like? What makes it different from other ways of understanding the universe? In Theory and Reality, Peter Godfrey-Smith addresses these questions by taking the reader on a grand tour of more than a hundred years of debate about science. The result is a completely accessible introduction to the main themes of the philosophy of science. Examples and asides engage the beginning student, a glossary of terms explains key concepts, and suggestions for further reading are included at the end of each chapter. Like no other text in this field, Theory and Reality combines a survey of recent history of the philosophy of science with current key debates that any beginning scholar or critical reader can follow. The second edition is thoroughly updated and expanded by the author with a new chapter on truth, simplicity, and models in science.
Philosophy of Technology University of Chicago Press
An Introduction to Science and Technology Studies, Second Edition reflects the latest advances in the field while continuing to provide students with a road map to the complex interdisciplinary terrain of science and technology studies. Distinctive in its attention to both the underlying philosophical and sociological aspects of science and technology Explores core topics such as realism and social construction, discourse and rhetoric, objectivity, and the public understanding of science Includes numerous empirical studies and illustrative examples to elucidate the topics discussed Now includes new material on political economies of scientific and technological knowledge, and democratizing technical decisions Other features of the new edition include improved readability, updated references, chapter reorganization, and more material on medicine and technology

American Philosophy of Technology Routledge
The Oxford Handbook of Philosophy of Technology gives readers a view into this increasingly vital and urgently needed domain of philosophical understanding, offering an in-depth collection of leading and emerging voices in the philosophy of technology. The thirty-two contributions in this volume cut across and connect diverse philosophical traditions and methodologies. They reveal the often-neglected importance of technology for virtually every subfield of philosophy, including ethics, epistemology, philosophy of science, metaphysics, aesthetics, philosophy of language, and political theory. The Handbook also gives readers a new sense of what philosophy looks like when fully engaged with the disciplines and domains of knowledge that continue to transform the material and practical features and affordances of our world, including engineering, arts and design, computing, and the physical and social sciences. The chapters reveal enduring conceptual themes concerning technology's role in the shaping of human knowledge, identity, power, values, and freedom, while bringing a philosophical lens to the profound transformations of our existence brought by innovations ranging from biotechnology and nuclear engineering to artificial intelligence, virtual reality, and robotics. This new collection challenges the reader with provocative and original insights on the history, concepts, problems, and questions to be brought to bear upon humanity's complex and evolving relationship to technology.
Elements of a Philosophy of Technology Springer Science & Business Media
The highly sophisticated techniques of modern engineering are normally conceived of in practical terms. Corresponding to the instrumental function of technology, they are designed to direct the forces of nature according to human purposes. Yet, as soon as the realm of mere skills is exceeded, the intended useful results can only be achieved through planned and preconceived action processes involving the deliberately considered application of well designed tools and devices. This is to say that in all complex cases theoretical reasoning becomes an indispensable means to accomplish the pragmatic technological aims. Hence the abstracting from the actual concrete function of technology opens the way to concentrate attention on the general conceptual framework involved. If this approach is adopted the relevant knowledge and the procedures applied clearly exhibit a logic of their own. This point of view leads to a methodological and even an epistemological analysis of the theoretical structure and the specific methods of procedure characteristic of modern technology. Investigations of this kind, that can be described as belonging to an ana lytical philosophy of technology, form the topic of this anthology. The type of research in question here is closely akin to that of the philosophy of science. But it is an astonishing fact that the commonly accepted and carefully investigated philosophy of science has not yet found its counterpart in an established philosophy of technology.
Chinese Philosophy of Technology Routledge
Friedrich Rapp, in this magisterial and critical essay on technology, the complex human phenomenon that demands philosophy of science, philosophy of culture, moral insight, and historical sensi tivity for its understanding, writes modestly of the grave and ten tative situation in the philosophy of technology. Despite the pro found thinkers who have devoted time and imagination and ratio nal penetration, despite the massive literature now available, the varied and comparative viewpoints of political, analytic, despite metaphysical, cultural, even esthetic commitments, indeed despite the honest joining of historical and systematic methods of inves tigation, we are far from a satisfactory understanding of the joys and sorrows, the achievements and disappointments, of the tech nological saga of human societies. Professor Rapp has prepared this report on the philosophical understanding of technology for a troubled world; if ever philosophy were needed, it is in the prac tical attempt to find alternatives among technologies, to foresee dangers and opportunities, to choose with a sense of the possibil ity of fulfilling humane values. Emerson spoke of the scholar not as a specialist apart, but as 'Man thinking' and Rapp's essay so speaks to all of us, industrial world or

third world, engineers or humanists, tired or energetic, fearful or optimistic.

Technology and Society: A Philosophical Guide Routledge

The Handbook Philosophy of Technology and Engineering Sciences addresses numerous issues in the emerging field of the philosophy of those sciences that are involved in the technological process of designing, developing and making of new technical artifacts and systems. These issues include the nature of design, of technological knowledge, and of technical artifacts, as well as the toolbox of engineers. Most of these have thus far not been analyzed in general philosophy of science, which has traditionally but inadequately regarded technology as mere applied science and focused on physics, biology, mathematics and the social sciences. - First comprehensive philosophical handbook on technology and the engineering sciences - Unparalleled in scope including explorative articles - In depth discussion of technical artifacts and their ontology - Provides extensive analysis of the nature of engineering design - Focuses in detail on the role of models in technology

The Oxford Handbook of Philosophy of Technology Walter de Gruyter GmbH & Co KG

The Gods and Technology is a careful and original reading of the principal statement of Martin Heidegger's philosophy of technology, the essay Die Frage nach der Technik ("The question concerning technology"). That essay is a rich one, and Richard Rojcewicz's goal is to mine it for the treasures only a close reading of the original German text can bring out. Rojcewicz shows how the issue of technology is situated at the very heart of Heidegger's philosophical enterprise; especially for the late Heidegger, the philosophy of technology is a philosophy of Being, or of the gods. For Heidegger, technology is not applied knowledge, but the most basic knowledge, of which science, for example, is an application. The ultimate goal of this study, and, as Rojcewicz writes, of Heidegger's thought, is practical: to find the appropriate response to the challenges of the modern age, to learn to live in a technological world without falling victim to the thrall of technological things.

Introduction to Philosophy of Technology State University of New York Press

This book examines the work of Jünger and its effect on the development of Heidegger’s philosophy of technology. It offers a unique treatment of Jünger’s philosophy and his conception of the age of technology, in which both world and man appear in terms of their functionality and efficiency. It demonstrates Jünger’s influence on Heidegger’s conceptions of will, work and gestalt at the beginning of the 1930s. At the same time, Blok evaluates Heidegger’s criticism of Jünger and provides a novel interpretation of the Jünger-Heidegger connection: that Jünger’s work in fact testifies to a transformation of our relationship to language and conceptualizes the future in terms of the Anthropocene.

The Metaphysics of Technology Springer

Ideal for undergraduate students in philosophy and science studies,Philosophy of Technology offers an engaging andcomprehensive overview of a subject vital to our time. An up-to-date, accessible overview of the philosophy oftechnology, defining technology and its characteristics. Explores the issues that arise as technology becomes anintegral part of our society. In addition to traditional topics in science and technologystudies, the volume offers discussion of technocracy, the romanticrebellion against technology. Complements The Philosophy of Technology: The TechnologicalCondition: An Anthology, edited by Robert C. Scharff and ValDusek (Blackwell, 2003).

An Introduction to Science and Technology Studies University of Chicago Press

What is technology? Why does it have such power in our lives? Why does it seemingly progress of its own accord, and without regard to social or environmental well-being? The quest for the essence of technology is an old one, with roots in the pre-Socratic philosophy of ancient Greece. It was then that certain thinkers first joined the ideas of technê and logos into a single worldview. The Greeks saw it as a kind of world-force, present in both the works of men and in nature itself. It was the very creative power of the cosmos. In the 20th century, German thinkers like Dessauer, Juenger, and Heidegger sought the metaphysical basis of technology, with varying success. French theologian Jacques Ellul argued persuasively that technology was an autonomous force of nature that determined all aspects of human existence, but he neglected the metaphysical underpinnings. Recent writers in the philosophy of technology have generally eschewed metaphysics altogether, preferring to concentrate on constructivist models or pragmatic analyses. In the present work, Skrbina returns to a classic metaphysical approach, seeking not so much an essence of technology but rather a deep and penetrating analysis of the entire technological phenomenon. Drawing on the Greeks, he argues for a teleological metaphysics in which increasing order in the universe is itself defined as a technological process. On this reading, all of reality constitutes a technical sphere, a "pantechnikon," of universal scope. This work — the first-ever book-length treatment of the topic — breaks new ground by providing an in-depth and critical study of the metaphysics of technology, as well as drawing out the practical consequences. Technology poses significant risks to humanity and the planet, risks that can be mitigated through a detailed philosophical analysis.

Philosophy of Engineering, East and West Penn State Press

How are all these things affecting us? How can their role in our lives be understood? What Things Do answers these questions by focusing on how technologies mediate our actions and our perceptions of the world.

Technology and the Character of Contemporary Life Indiana University Press

Blending social analysis and philosophy, Albert Borgmann maintains that technology creates a controlling pattern in our lives. This pattern, discernible even in such an inconspicuous action as switching on a stereo, has global effects: it sharply divides life into labor and leisure, it sustains the industrial democracies, and it fosters the view that the earth itself is a technological device. He argues that technology has served us as well in conquering hunger and disease, but that when we turn to it for richer experiences, it leads instead to a life dominated by effortless and thoughtless consumption. Borgmann does not reject technology but calls for public conversation about the nature of the good life. He counsels us to make room in a technological age for matters of ultimate concern—things and practices that engage us in their own right.

Italian Philosophy of Technology Oxford University Press, USA

This book offers a systematic framework for thinking about the relationship between language and technology and an argument for interweaving thinking about technology with thinking about language. The main claim of philosophy of technology—that technologies are not mere tools and artefacts not mere things, but crucially and significantly shape what we perceive, do, and are—is re-thought in a way that accounts for the role of language in human technological experiences and practices. Engaging with work by Wittgenstein, Heidegger, McLuhan, Searle, Ihde, Latour, Ricoeur, and many others, the author critically responds to, and constructs a synthesis of, three "extreme", idealtype, untenable positions: (1) only humans speak and neither language nor technologies speak, (2) only language speaks and neither humans nor technologies speak, and (3) only technology speaks and neither humans nor language speak. The construction of this synthesis goes hand in hand with a narrative about subjects and objects that become entangled and constitute one another. Using Words and Things thus draws in central discussions from other subdisciplines in philosophy, such as philosophy of language, epistemology, and metaphysics, to offer an original theory of the relationship between language and (philosophy of) technology centered on use, performance, and narrative, and taking a transcendental turn.

The Philosophy of Science and Technology Studies Springer Science & Business Media

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.

Contributions to a Philosophy of Technology Wiley-Blackwell

Philosophy of Technology: An introduction for technology and business students is an accessible guide to technology’s changes , their ubiquitousness, and the many questions these raise. Designed for those with no philosophical background in mind, it is ideal for technology and engineering students or specialists who want to learn to think critically about how their work influences society and our daily lives. The technological, business environment and daily experiences are the starting point of the book and the authors’ reflect upon these practices from a philosophical point of view. The text goes on to present a critical analysis of the subject including development, manufacturing, sales and marketing and the use of technological products and services. The abstract ideas are made easier to grasp with a story-telling approach: a vivid history of the discipline and colourful portraits of the core thinkers in this domain, as well as four case studies drawing from various engineering disciplines to demonstrate how philosophy can and should influence technology in practice. The first comprehensive introduction to this vibrant young sub-discipline in over 20 years, this is an ideal textbook for students of technology and engineering beginning a course or project in the philosophy of their subject.

Philosophy of Technology Taylor & Francis

This book gathers essays that introduce the ideological advances in the philosophy of engineering and technology in contemporary China. It particularly focuses on China’s distinctive concepts and methods, revealing different views and academic debates to offer readers a comprehensive overview of this important field. The contributors present unique perspectives based on practical problems and traditional philosophy, examining such issues and concepts as axiology and theories of process, the difference between engineering activities and technology activities, and the core of the relationship between “Dao” and “Technique.” Other essays cover the ethics of technology, practical wisdom (phronesis) and practical reasoning, as well as creative concepts and methods concerning the philosophical problems in high technology, architectural technology, and technological innovation. The authors also consider more general issues in the field. This book compiles the relevant research achievements of Chinese scholars in various time periods. Some authors have revised and translated into English papers published in Chinese, while others present their research in English specifically for this study. An annotated bibliography of the major publications in the field completes this collection.

New Waves in Philosophy of Technology New York : Free Press

Addressing the technological opportunities and challenges of the 21st century, Introduction to Philosophy of Technology offers the most up-to-date and comprehensive overview of philosophy of technology available. It covers several of the classic theories and approaches, but also moves beyond them to explore a broader range of theories and a number of new dynamics in the field, including responding to new technological developments. Esteemed scholar Mark Coeckelbergh emphasizes how new technological developments stimulate philosophical thinking--and rethinking--and how philosophers of technology could do more to interact with other subdisciplines in philosophy and fields beyond academia, such as art and policy.

Philosophy, Technology, and the Environment Springer

Drawing on essays from leading international and multi-disciplinary scholars, A Companion to the Philosophy of Technology is the first comprehensive and authoritative reference source to cover the key issues of technology’s impact on society and our lives. Presents the first complete, authoritative reference work in the field Organized thematically for use both as a full introduction to the field or an encyclopedic reference Draws on original essays from leading interdisciplinary scholars Features the most up-to-date and cutting edge research in the interdisciplinary fields of philosophy, technology, and their broader intellectual environments

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