
A Philosophy Of Technology From Technical Artefacts To Sociotechnical Systems Synthesis Lectures On Engineers Technology And Society

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*A Philosophy Of
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Synthesis Lectures On
Engineers Technology
And Society*

2021-12-11

CAYDEN PARSONS

The Net Delusion University of Georgia
Press

As the field of Science and Technology Studies (STS) has become more established, it has increasingly hidden its philosophical roots. While the trend is typical of disciplines striving for maturity, Steve Fuller, a leading figure in the field, argues that STS has much to lose if it abandons philosophy. In his characteristically provocative style, he

offers the first sustained treatment of the philosophical foundations of STS and suggests fruitful avenues for further research. With stimulating discussions of the Science Wars, the Intelligent Design Theory controversy, and theorists such as Donna Haraway and Bruno Latour, Philosophy of Science and Technology Studies is required reading for students

and scholars in STS and the philosophy of science.

Contributions to a Philosophy of Technology MIT Press

This introduction to the philosophy of technology discusses its sources and uses. Tracing the changing meaning of "technology" from ancient times to the modern day, it identifies two important traditions of critical analysis of technology: the engineering approach and the humanities approach.

Heidegger and the Poetics of the Anthropocene Walter de Gruyter GmbH & Co KG

A Managerial Philosophy of Technology offers a unique combination of a review of academic work in the philosophy of technology with practical methodologies for business management of technology strategy. It is thus conceptual and practical, academic and managerial. The author develops a radical new systems network concept which shows how the symbiosis between humanity and technology is mediated through science, the economy, productivity, and social structure. It is of interest to academics, technology management professionals,

and science policy makers.

Francis Bacon and His Contemporaries University of Chicago Press

This book examines the work of Ernst Jünger and its effect on the development of Martin Heidegger's influential philosophy of technology. Vincent Blok 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. The primary objective of Jünger's novels and essays is to make the transition from the totally mobilized world of the 20th century toward a world in which a new type of man represents the gestalt of the worker and is responsive to this new age. Blok proceeds to demonstrate Jünger's influence on Heidegger's analysis of the technological age in his later work, as well as 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. This book, which arrives alongside several new English-language translations of Jünger's work, will interest scholars of 20th-century continental philosophy, Heidegger, and the history of philosophy of technology.

5 Questions Indiana University Press
Depending on how one construes the kinship relations, technology has been either the stepchild of philosophy or its grandfather. In either case, technology has not been taken into the bosom of the family, but has had to wait for attention, care and feeding, while the more unclear elements - science, art, politics, ethics - were being nurtured (or cleaned up). Don Ihde puts technology in the middle of things, and develops a philosophy of technology that is at once distinctive, revealing and thought provoking. Typically, philosophy of technology has existed at, or beyond, the margins of the philosophy of science, and therefore the question of technology has come to be posed (when it is) either by historians of technology or by social critics. The philosophy of technology, as analysis and critique of the concepts, methodologies,

implicit epistemologies and ontologies of technological praxis and thought, has remained underdeveloped. When philosophy does turn its attention to the insistent presence of technology, it inevitably casts the question in one or another of the dominant modes of philosophical interpretation and reconstruction. Thus, the logic of technological thinking and practice has been a subject of some systematic work (e. g. , in the Praxiology of Kotarbinski and Kotarbinska, among others). And the question of technology's relation to science has been posed in the framework of the nomological model of explanation in the sciences - e. g.

Thinking Through Technology John Wiley & Sons

Introduces contemporary American philosophy of technology through six of its leading figures. The six American philosophers of technology whose work is profiled in this clear and concise introduction to the field—Albert Borgmann, Hubert Dreyfus, Andrew Feenberg, Donna Haraway, Don Ihde, and Langdon Winner—represent a new, empirical direction in the philosophical study of

technology that has developed mainly in North America. In place of the grand philosophical schemes of the classical generation of European philosophers of technology (including Martin Heidegger, Jacques Ellul, and Hans Jonas), the contemporary American generation addresses concrete technological practices and the co-evolution of technology and society in modern culture. Six Dutch philosophers associated with Twente University survey and critique the full scope and development of their American colleagues' work, often illustrating shifts from earlier to more recent interests. Individual chapters focus on Borgmann's engagement with technology and everyday life; Dreyfus's work on the limits of artificial intelligence; Feenberg's perspectives on the cultural and social possibilities opened by technologies; Haraway's conception of the cyborg and its attendant blurring of boundaries; Ihde's explorations of the place of technology in the lifeworld; and Winner's fascination with the moral and political implications of modern technologies. American Philosophy of Technology offers an insightful and readable introduction to this

new and distinctly American philosophical turn. Contributors are Hans Achterhuis, Philip Brey, René Munnik, Martijntje Smits, Pieter Tijmes, and Peter-Paul Verbeek.

The Philosophy of Science and Technology Studies Taylor & Francis

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 analytical 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.

Philosophy of Technology Springer

Gunter Anders' *Philosophy of Technology* is the first comprehensive exploration of the ground-breaking work of German thinker Gunter Anders. Anders' philosophy has become increasingly prescient in our digitised, technological age as his work predicts the prevalence of social media, ubiquitous surveillance and the turn to big data. Anders' oeuvre also explored the technologies of nuclear power and the biotech concerns for the human and transhuman condition which have become

so central to current theory. Babette Babich argues that Anders offers important resources on streaming digital media through his writings on radio, television and film and is, unusually, both a comprehensive and profound thinker. Anders' relationship with key philosophers like Hannah Arendt and Walter Benjamin and his thinking on Goethe, Nietzsche and Rilke is also explored with a focus on the deep impact he made on his peers. It reflects specifically on the intersection of Anders' thought Heidegger and the Frankfurt school and how influential a figure he was on the landscape of 20th century philosophy. A compelling rehabilitation of a thinker with profound contemporary relevance.

Technology and the Character of

Contemporary Life Automatic Press / VIP

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.

A Philosophy of Technology Routledge

Ideal for undergraduate students in philosophy and science studies, *Philosophy of Technology* offers an engaging and comprehensive overview of a subject vital to our time. An up-to-date, accessible overview of the philosophy of technology, defining technology and its characteristics. Explores the issues that arise as technology becomes an integral part of our society. In addition to traditional topics in science and technology studies, the volume offers discussion of technocracy, the romantic rebellion against technology. Complements *The Philosophy of Technology: The Technological Condition: An Anthology*, edited by Robert C. Scharff and Val Dusek (Blackwell, 2003).

Philosophy and Technology BRILL

In *A Philosophy of Technology: From Technical Artefacts to Sociotechnical Systems*, technology is analysed from a series of different perspectives. The analysis starts by focussing on the most tangible products of technology, called technical artefacts, and then builds step-wise towards considering those artefacts within their context of use, and ultimately as embedded in encompassing sociotechnical systems that also include humans as operators and social rules like legislation. Philosophical characterisations are given of technical artefacts, their context of use and of sociotechnical systems. Analyses are presented of how technical artefacts are designed in engineering and what types of technological knowledge is involved in engineering. And the issue is considered how engineers and others can or cannot influence the development of technology. These characterisations are complemented by ethical analyses of the moral status of technical artefacts and the possibilities and impossibilities for engineers to influence this status when designing artefacts and the sociotechnical systems in which artefacts are embedded.

The running example in the book is aviation, where aeroplanes are examples of technical artefacts and the world aviation system is an example of a sociotechnical system. Issues related to the design of quiet aeroplane engines and the causes of aviation accidents are analysed for illustrating the moral status of designing, and the role of engineers therein. Table of Contents: Technical Artefacts / Technical Designing / Ethics and Designing / Technological Knowledge / Sociotechnical Systems / The Role of Social Factors in Technological Development / Ethics and Unintended Consequences of Technology

Classical Readings and Contemporary Approaches Springer

A collection of short interviews based on 5 questions presented to prominent scholars in the field of philosophy of technology.

Günther Anders' Philosophy of Technology Springer Science & Business Media

The new edition of this authoritative introduction to the philosophy of technology includes recent developments in the subject, while retaining the range and depth of its selection of seminal

contributions and its much-admired editorial commentary. Remains the most comprehensive anthology on the philosophy of technology available. Includes editors' insightful section introductions and critical summaries for each selection. Revised and updated to reflect the latest developments in the field. Combines difficult to find seminal essays with a judicious selection of contemporary material. Examines the relationship between technology and the understanding of the nature of science that underlies technology studies.

Essays in Post-Critical Philosophy of Technology Northwestern University Press

Technology is increasingly subject of attention from philosophers. Philosophical reflection on technology exhibits a wide and at times bewildering array of approaches and modes of thought. This volume brings to light the development of three schools in the philosophy of technology. Based on thorough introductions to Karl Marx', Martin Heidegger's and John Dewey's thought about technology, the volume offers an in-depth account of the way thinkers in the critical, the phenomenological and the

pragmatic schools have responded to issues and challenges raised by the works of the founders of these schools. Technologies in almost any aspect of human life is potentially subject of philosophical treatment. To offer a focused demonstration of key arguments and insights, the presentation of each school is concluded with a contribution to discussions of educational technologies. In addition to philosophers seeking a valuable and clear structuring of a still burgeoning field, the volume is of interest to those working with educational philosophy and value sensitive design.

„Stig Børsen Hansen’s book is a must for all interested in understanding the development of the philosophy of technology and the relation of thoughts of thinkers that have shaped the area. The author presents a new and refreshing take on the ideas from Marx to Marcuse, from Dewey to Latour, and Heidegger to Borgmann. It will engage and hopefully provoke.“ Dr. Jan Kyrre Berg Friis, University of Copenhagen

The Dark Side of Internet Freedom

Routledge

Updated with a new Afterword “The

revolution will be Twittered!” declared journalist Andrew Sullivan after protests erupted in Iran. But as journalist and social commentator Evgeny Morozov argues in *The Net Delusion*, the Internet is a tool that both revolutionaries and authoritarian governments can use. For all of the talk in the West about the power of the Internet to democratize societies, regimes in Iran and China are as stable and repressive as ever. Social media sites have been used there to entrench dictators and threaten dissidents, making it harder—not easier—to promote democracy.

Marshalling a compelling set of case studies, *The Net Delusion* shows why the cyber-utopian stance that the Internet is inherently liberating is wrong, and how ambitious and seemingly noble initiatives like the promotion of “Internet freedom” are misguided and, on occasion, harmful. Philosophy of Technology Wiley-Blackwell Only recently has the phenomenon of technology become an object of interest for philosophers. The first attempts at a philosophy of technology date back scarcely a hundred years - a span of time extremely short when compared with the antiquity of philosophical reflections on

nature, science, and society. Over that hundred-year span, speculative, critical, and empiricist approaches of various sorts have been put forward. Nevertheless, even now there remains a broad gap between the importance of technology in the real world and the sparse number of philosophical works dedicated to the understanding of modern technology. As a result of the complex structure of modern technology, it can be dealt with in very different ways. These range from metaphysical exposition to efforts aimed at political consensus. Quite naturally, within such a broad range, certain national accents can be discovered; they are shaped by a common language, accepted philosophical traditions, and concrete problems requiring consideration. Even so, the worldwide impact of technology, its penetration into all spheres of individual, social, and cultural life, together with the urgency of the problems raised in this context - all these demand a joint philosophical discussion that transcends the barriers of language and cultural differences. The papers printed here are intended to exemplify such an effort at culture-transcending philosophical

discussion.

Philosophy, Technology, and the Environment Rowman & Littlefield Publishers

The volume advances research in the philosophy of technology by introducing contributors who have an acute sense of how to get beyond or reframe the epistemic, ontological and normative limitations that currently limit the fields of philosophy of technology and science and technology studies.

From Technical Artefacts to

Sociotechnical Systems Vernon 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.

Philosophy of Technology Rowman & Littlefield

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Technics and Praxis Bloomsbury Publishing

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.