

Download C S French Data Processing And Information Technology

Ethics of technology

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The ethics of technology is a sub-field of ethics addressing ethical questions specific to the technology age, the transitional shift in society wherein personal computers and subsequent devices provide for the quick and easy transfer of information. Technology ethics is the application of ethical thinking to growing concerns as new technologies continue to rise in prominence.

The topic has evolved as technologies have developed. Technology poses an ethical dilemma on producers and consumers alike.

The subject of technoethics, or the ethical implications of technology, have been studied by different philosophers such as Hans Jonas and Mario Bunge.

Open energy system databases

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Open energy system database projects employ open data methods to collect, clean, and republish energy-related datasets for open use. The resulting information is then available, given a suitable open license, for statistical analysis and for building numerical energy system models, including open energy system models. Permissive licenses like Creative Commons CC0 and CC BY are preferred, but some projects will house data made public under market transparency regulations and carrying unqualified copyright.

The databases themselves may furnish information on national power plant fleets, renewable generation assets, transmission networks, time series for electricity loads, dispatch, spot prices, and cross-border trades, weather information, and similar. They may also offer other energy statistics...

DVB-C

short description of the single processing blocks follows. Source coding and MPEG-2 multiplexing (MUX): video, audio, and data streams are multiplexed into

Digital Video Broadcasting - Cable (DVB-C) is the DVB European consortium standard for the broadcast transmission of digital television over cable. This system transmits an MPEG-2 or MPEG-4 family digital audio/digital video stream, using a QAM modulation with channel coding. The standard was first published by the ETSI in 1994, and subsequently became the most widely used transmission system for digital cable television in Europe, Asia and South America. It is deployed worldwide in systems ranging from the larger cable television networks (CATV) down to smaller satellite master antenna TV (SMATV) systems.

Open data

Joep; Dalla Corte, Lorenzo (2018). Open Data Exposed. Information Technology and Law Series. Vol. 30. T.M.C. Asser Press. pp. 1-10. doi:10.1007/978-94-6265-261-3_1

Open data are data that are openly accessible, exploitable, editable and shareable by anyone for any purpose. Open data are generally licensed under an open license.

The goals of the open data movement are similar to those of other "open(-source)" movements such as open-source software, open-source hardware, open content, open specifications, open education, open educational resources, open government, open knowledge, open access, open science, and the open web. The growth of the open data movement is paralleled by a rise in intellectual property rights. The philosophy behind open data has been long established (for example in the Mertonian tradition of science), but the term "open data" itself is recent, gaining popularity with the rise of the Internet and World Wide Web and, especially, with...

Outsourcing

involves the contracting out of a business process (e.g., payroll processing, claims processing), operational, and/or non-core functions, such as manufacturing

Outsourcing is a business practice in which companies use external providers to carry out business processes that would otherwise be handled internally. Outsourcing sometimes involves transferring employees and assets from one firm to another.

The term outsourcing, which came from the phrase outside resourcing,

originated no later than 1981 at a time when industrial jobs in the United States were being moved overseas, contributing to the economic and cultural collapse of small, industrial towns. In some contexts, the term *smartsourcing* is also used.

The concept, which *The Economist* says has "made its presence felt since the time of the Second World War", often involves the contracting out of a business process (e.g., payroll processing, claims processing), operational, and/or non-core functions...

Intelligent transportation system

Stanley E, et al. "Continuing Evolution of Travel Time Data Information Collection and Processing", Transportation Research Board Annual Meeting 2009 Paper

An intelligent transportation system (ITS) is an advanced application that aims to provide services relating to different modes of transport and traffic management and enable users to be better informed and make safer, more coordinated, and 'smarter' use of transport networks.

Some of these technologies include calling for emergency services when an accident occurs, using cameras to enforce traffic laws or signs that mark speed limit changes depending on conditions.

Although ITS may refer to all modes of transport, the directive of the European Union 2010/40/EU, made on July 7, 2010, defined ITS as systems in which information and communication technologies are applied in the field of road transport, including infrastructure, vehicles and users, and in traffic management and mobility management...

Ontology (information science)

Practice on Ontology, Ontological Engineering and Semantic Technology Use of Ontologies in Natural Language Processing Ontology Summit

an annual series of events - In information science, an ontology encompasses a representation, formal naming, and definitions of the categories, properties, and relations between the concepts, data, or entities that pertain to one, many, or all domains of discourse. More simply, an ontology is a way of showing the properties of a subject area and how they are related, by defining a set of terms and relational expressions that represent the entities in that subject area. The field which studies ontologies so conceived is sometimes referred to as applied ontology.

Every academic discipline or field, in creating its terminology, thereby lays the groundwork for an ontology. Each uses ontological assumptions to frame explicit theories, research and applications. Improved ontologies may

improve problem solving within that domain...

ISO/IEC 15504

ISO/IEC 15504 Information technology – Process assessment, also termed Software Process Improvement and Capability dEtermination (SPICE), is a set of

ISO/IEC 15504 Information technology – Process assessment, also termed Software Process Improvement and Capability dEtermination (SPICE), is a set of technical standards documents for the computer software development process and related business management functions. It is one of the joint International Organization for Standardization (ISO) and International Electrotechnical Commission (IEC) standards, which was developed by the ISO and IEC joint subcommittee, ISO/IEC JTC 1/SC 7.

ISO/IEC 15504 was initially derived from process lifecycle standard ISO/IEC 12207 and from maturity models like Bootstrap, Trillium and the Capability Maturity Model (CMM).

ISO/IEC 15504 has been superseded by ISO/IEC 33001:2015 Information technology – Process assessment – Concepts and terminology as of March, 2015...

List of open-source health software

GNU GPL. cTAKES (“clinical Text Analysis Knowledge Extraction Software”) is a natural language processing system for extracting information from electronic

The following is a list of notable software packages and applications licensed under an open-source license or in the public domain for use in the health care industry.

Internet of things

devices with sensors, processing ability, software and other technologies that connect and exchange data with other devices and systems over the Internet

Internet of things (IoT) describes devices with sensors, processing ability, software and other technologies that connect and exchange data with other devices and systems over the Internet or other communication networks. The IoT encompasses electronics, communication, and computer science engineering. "Internet of things" has been considered a misnomer because devices do not need to be connected to the public internet; they only need to be connected to a network and be individually addressable.

The field has evolved due to the convergence of multiple technologies,

including ubiquitous computing, commodity sensors, and increasingly powerful embedded systems, as well as machine learning. Older fields of embedded systems, wireless sensor networks, control systems, automation (including home and...

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