

1. Record Nr.	UNICAMPANIAVAN0254177
Titolo	1.: Vision and Visual Systems / Selected and with an Introduction by Richard Held
Pubbl/distr/stampa	Boston, : Birkhäuser, : Springer, 1988
Descrizione fisica	xiii, 118 p. ; ill. ; 24 cm
Soggetti	92C20 - Neural biology [MSC 2020] 92-XX - Biology and other natural sciences [MSC 2020]
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
2. Record Nr.	UNINA9910970122603321
Titolo	Information technologies and social transformation // National Academy of Engineering ; Bruce R. Guile, editor
Pubbl/distr/stampa	Washington, D.C., : National Academy Press, 1985
ISBN	9786610222261 9781280222269 1280222263 9780309534413 0309534410 9780585144467 058514446X
Edizione	[1st ed.]
Descrizione fisica	1 online resource (183 p.)
Collana	Series on technology and social priorities
Altri autori (Persone)	GuileBruce R
Disciplina	303.4/834
Soggetti	Electronic data processing - Social aspects Computers and civilization
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Papers presented at a symposium held in conjunction with the 1984 annual meeting of the National Academy of Engineering.

Nota di bibliografia

Includes bibliographies and index.

Nota di contenuto

Information Technologies and Social Transformation -- Copyright -- Preface -- Contents -- Introduction -- The Evolution of Information Technologies -- THE INTERACTION OF TECHNOLOGY AND SOCIETY -- INFORMATION TECHNOLOGIES AND THEIR LIMITS -- Integrated Circuits -- Computing Technology -- Software -- Photonics -- TECHNOLOGIES LIKELY TO EMERGE -- Potential Breakthroughs in Silicon Circuits -- Integrated Optics -- New Computing and Software Architectures -- User-Friendly Interfaces and Computer Speech -- Data Networks -- Integrated Circuits Based on Compound Materials -- Laser Materials Systems and Yields -- TECHNOLOGY SELECTION AND THE PACE OF INNOVATION -- Marketplace Economics -- R&D Economics -- R&D Prowess -- Regulation -- Technical Standards -- The Embedded Technology Base -- THE INFORMATION AGE -- Computers Everywhere -- Overcoming Geography -- New Services -- Universal Information Service -- Video Data Bases -- Expert Systems -- Engineering Perspective -- CONCLUSION -- COMMENTS -- The Information Age: Evolution or Revolution? -- THE CLASSICAL INDUSTRIAL REVOLUTION -- A CURRENT TECHNOLOGICAL REVOLUTION? -- A CURRENT SOCIETAL REVOLUTION? -- TECHNOLOGY AND CULTURAL LAG -- EVOLUTION AND REVOLUTION -- NOTES -- COMMENTS -- The Twilight of Hierarchy Speculations on the Global Information Society -- THE INFORMATIZATION OF SOCIETY -- A DOMINANT RESOURCE, A DIFFERENT RESOURCE -- THE EROSION OF HIERARCHIES -- POWER BASED ON CONTROL: POWER AND PARTICIPATION -- INFLUENCE BASED ON SECRECY: DILEMMAS OF OPENNESS -- CLASS BASED ON OWNERSHIP: THE OBSOLESCENCE OF OWNERSHIP -- PRIVILEGE BASED ON EARLY ACCESS: EQUALITY OF ACCESS AND FAIRNESS -- POLITICS BASED ON GEOGRAPHY: THE PASSING OF REMOTENESS -- SUMMARY AND CONCLUSIONS -- NOTES -- COMMENTS -- Property Rights in Information -- INTRODUCTION -- Definitions of Property. History of Information Protection -- THE RIGHT TO KNOW -- THE RIGHT TO COLLECT INFORMATION -- THE RIGHT TO ACQUIRE INFORMATION -- THE RIGHT TO WITHHOLD INFORMATION -- THE RIGHT TO CONTROL THE RELEASE OF INFORMATION -- THE RIGHT TO PROFIT FROM INFORMATION -- Computer Software-Apple v. Franklin -- Videotape Piracy-Sony Corp. v. Universal City Studios -- Insider Information-SEC v. Winans -- Other Cases -- THE RIGHT TO PROTECT INFORMATION -- Sunshine Laws and Freedom of Information Laws -- Strategic Information -- Export Control of Technical Data -- Transborder Television-Protection of Cultural Identity -- THE RIGHT TO DESTROY OR EXPUNGE INFORMATION -- THE RIGHT TO CORRECT OR ALTER INFORMATION -- Public Records -- Broadcasting -- Newspapers -- THE RIGHT TO DISSEMINATE INFORMATION -- SOME OBSERVATIONS ON PRACTICAL PRECEDENTS AND PHILOSOPHICAL PRINCIPLES -- CONCLUSIONS -- NOTES -- COMMENTS -- Information Technologies in the Home -- INTRODUCTION -- WORKING AT HOME -- Telework -- Barriers to Computer-Based Telework -- Government Policies Affecting Work at Home -- DOING CHORES AT HOME -- Controlling Appliances -- Home Networks -- Home Information and Transaction Services -- LEARNING AT HOME -- RELAXING AT HOME -- Technical Improvements in Television -- New Technologies' Challenge to Television -- THE IMPACT OF INFORMATION TECHNOLOGIES ON HOME ACTIVITIES -- REFERENCES -- COMMENTS -- Computers and Business -- SOME CHARACTERISTICS OF EMERGING TECHNOLOGIES -- INTERSECTION: TRAINING, COMPUTERS, PEOPLE -- Simulation as an Aid to Training -- Consequences -- INTERSECTION: MANUFACTURING, AUTOMATION,

PEOPLE -- Factory Automation and Robotics -- Consequences --
INTERSECTION: SELLING, TELECOMMUNICATIONS, STRUCTURE -- Retail
Electronic Funds Transfer (EFT) -- Consequences -- INTERSECTION:
MANAGEMENT, COMPUTER, SELF-CONCEPT -- Modeling in
Management Decision Making.
Consequences -- CONCLUSION -- NOTES -- COMMENTS -- About the
Authors.

Sommario/riassunto

This collection of papers by scholars of technology and society, based on a National Academy of Engineering symposium, explores the process of mutual adjustment between information technologies and social institutions. The topics addressed include recent developments and likely futures in information technology, comparison of information technology to historical developments in other technologies, and the interaction of information technology with businesses, homes, property rights in information, and various hierarchies of social organization.
