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Technologies are developing faster and their impact is bigger than ever before. Synergies emerge between formerly independent technologies that trigger accelerated and unpredicted effects. Alongside these technological advances new ethical ideas and powerful moral ideologies have appeared which force us to consider the application of these emerging technologies. In attempting to navigate utopian and dystopian visions of the future, it becomes clear that technological progress and its moral quandaries call for new policies and legislative responses. Against this backdrop this new book series from Springer provides a forum for interdisciplinary discussion and normative analysis of emerging technologies that are likely to have a significant impact on the environment, society and/or humanity. These will include, but be no means limited to nanotechnology, neurotechnology, information technology, biotechnology, weapons and security technology, energy technology, and space-based technologies.

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The Ethics of Cybersecurity

 Springer

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Acronyms and Abbreviations

ACM	Association for Computing Machinery
AI	Artificial Intelligence
APT	Advanced Persistent Threat
ASLR	Address Space Layout Randomization
AV	Anti Virus
C&C	Command and Control
CA	Certification Authority
CANVAS	Constructing an Alliance for Value-driven Cybersecurity
CCC	Convention on Cyber Crime
CENELEC	European Committee for Electrotechnical Standardization
CERT	Computer Emergency Response Team
CFI	Control-Flow Integrity
CFSP	Common Foreign and Security Policy
CJEU	Court of Justice of the European Union
CNIL	Commission Nationale de l'Informatique et des Libertés
CoE	Council of Europe
DDoS	Distributed Denial of Service
DEP	Data Execution Prevention
DNS	Domain Name System
DPI	Deep Packet Inspection
DPIA	Data Protection Impact Assessment
EC	European Commission
ECHR	European Convention of Human Rights
ECSSO	European Cyber Security Organisation
ECtHR	European Court of Human Rights
EDPS	European Data Protection Supervisor
EFF	Electronic Frontier Foundation
eHC	electronic Health Card
ENISA	European Network and Information Security Agency
EU	European Union
FRS	Face Recognition System

GAFAM	Google, Apple, Facebook, Amazon and Microsoft
GDPR	General Data Protection Regulation
GGE	Group of Governmental Experts
HTTP	Hypertext Transfer Protocol
ICRC	International Committee of the Red Cross
ICT	Information and Communication Technology
IMD	Implantable Medical Device
IoT	Internet of Things
ISACA	Information Systems Audit and Control Association
ISO	International Organization for Standardization
ISP	Internet Service Providers
ITU	International Telecommunication Union
LEA	Law Enforcement Agency
MAC	Message Authentication Code
MDR	Medical Device Regulation
MitM	Man in the Middle
NATO	North Atlantic Treaty Organization
NER	Named Entity Recognition
NIDS	Network Intrusion Detection Systems
NIS	Network and Information Security
NSA	National Security Agency (USA)
OJ	Official Journal of the European Communities
OSCE	Organization for Security and Cooperation in Europe
PGP	Pretty Good Privacy
PPDM	Privacy-Preserving Data Mining
QC	Quantum Computing
ROP	Return-Oriented Programming
SDC	Statistical Disclosure Control
SDM	Standard Data Protection Model
SME	Small and Medium Enterprises
SOST	Surveillance-Oriented Security Technology
SQL	Structured Query Language
TAO	Tailored Access Operations
T-CY	Cybercrime Convention Committee
TEU	Treaty on European Union
TFEU	Treaty on the Functioning of the European Union
TLS	Transport Layer Security

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