

1. Record Nr.	UNINA9910299257403321
Autore	Barfield Woodrow
Titolo	Cyber-Humans : Our Future with Machines // by Woodrow Barfield
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Copernicus, , 2015
ISBN	3-319-25050-7
Edizione	[1st ed. 2015.]
Descrizione fisica	1 online resource (304 p.)
Disciplina	004
Soggetti	Computer science Artificial intelligence User interfaces (Computer systems) Popular Computer Science Artificial Intelligence User Interfaces and Human Computer Interaction
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Foreword -- The Technological Future -- The Coming Singularity -- The Law of Artificially Intelligent Brains -- Cognitive Liberty, Brain Implants, and Neuroprosthesis -- Modifying, Enhancing, and Hacking the Body -- Sensors and the Law -- The Law of Looks and Artificial Bodies -- The Future to Merge with Artificially Intelligent Machines.
Sommario/riassunto	It is predicted that robots will surpass human intelligence within the next fifty years. The ever increasing speed of advances in technology and neuroscience, coupled with the creation of super computers and enhanced body parts and artificial limbs, is paving the way for a merger of both human and machine. Devices which were once worn on the body are now being implanted into the body, and as a result, a class of true cyborgs, who are displaying a range of skills beyond those of normal humans-beings, are being created. There are cyborgs which can see colour by hearing sound, others have the ability to detect magnetic fields, some are equipped with telephoto lenses to aid their vision or implanted computers to monitor their heart, and some use thought to communicate with a computer or to manipulate a robotic arm. This is not science-fiction, these are developments that are really

happening now, and will continue to develop in the future. However, a range of legal questions has arisen alongside this rise of artificial intelligence. Cyber-Humans provides a deep and unique perspective on the technological future of humanity, and describes how law and policy will be particularly relevant in creating a fair and equal society and protecting the liberties of different life forms which will emerge in the 21st century. Dr Woodrow (Woody) Barfield previously headed up the Sensory Engineering Laboratory, holding the position of Industrial and Systems Engineering Professor at the University of Washington. His research revolves around the design and use of wearable computers and augmented reality systems and holds both JD and LLM degrees in intellectual property law and policy. He has published over 350 articles and publications in the areas of computer science, engineering and law. He currently lives in Chapel Hill, NC, USA.
