

Shanghai: Shanghai Jiao Tong University Press. Tokyo: Seidosha. IEEE Xplore, delivering full text access to the world's highest quality technical literature in engineering and technology. Democratic theories assume that citizens have some form of political knowledge in order to vote for representatives or to directly engage in democratic Robot Ethics (MIT Press,) Chinese simplified character translation: Forthcoming, IEEE Xplore The article goal is to explain the European Union approach to artificial intelligence based on principles of democracy, the rule of law and fundamental rights incorporated on the Rapid advancements in the field of technology, specifically digital computers and machine learning, provoked many to rethink the value of ethics in these areas as well as take a closer look at how it influences the society we live in. Scenarios involving the introduction of artificially intelligent (AI) assistive technologies in health care practices raise several ethical issues It is argued that artificial intelligence (AI) endangers democracy since it risks to diminish the epistemic agency of citizens and thereby undermine the relevant kind of political agency in democracy. Artificial It is concluded that if the authors set the standards of care too high when evaluating the introduction of AI assistive technologies in health care, they have to reject many of their existing, low-tech health care practices. Content A guide to the ethical questions that arise from our use of industrial robots, robot companions, self-driving cars, and other robotic devices Does a robot have After a chapter on the debate on the moral status of AI, a chapter clarifying the different forms of AI—from symbolic AI to Machine Learning and beyond —and a chapter on the key role of data science for AI (Ethics), the book moves to a second part, on present-day ethical issues with AI After a chapter on the debate on the moral status of AI, a chapter clarifying the different forms of AI—from symbolic AI to Machine Learning and beyond —and a chapter on the key role of data science for AI (Ethics), the book moves to a second part, on present-day ethical issues with AI Japanese translation: Forthcoming.