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Titolo	Handbook of Ethics, Values, and Technological Design : Sources, Theory, Values and Application Domains / / edited by Jeroen van den Hoven, Pieter E. Vermaas, Ibo van de Poel
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Nota di contenuto	Chapter 1. General Introduction -- Part I. Sources -- Chapter 2. General overview; Jeroen van den Hoven and Noëmi Manders-Huits -- Chapter 3. Value Sensitive Design; Janet Davis and Lisa Nathan -- Chapter 4. Technology Assessment; Armin Grunwald -- Part II. Theory -- Chapter 5. Part introduction; editors -- Chapter 6. Design and conflicting values; Ibo van de Poel -- Chapter 7. Design and emotions; Pieter Desmet and Sabine Roeser -- Chapter 8. Design for human capabilities; Ilse Oosterlaken -- Chapter 9. Design for values and system roles; Maarten Franssen -- Chapter 10. Design for mediation; Peter-Paul Verbeek -- Chapter 11. Design methods for values; P. Vermaas, P. Hekkert, N. Manders-Huits and N. Tromp -- Chapter 12. Operationalization of values; Peter Kroes and Ibo van de Poel -- Chapter 13. Values and modeling in design; Sven Diekmann and Sjoerd Zwart.- Part III. Values -- Chapter 14. Part introduction; editors -- Chapter 15. Accountability and transparency; Joris Hulstijn and Brigitte Burgemeestre -- Chapter 16. Democracy and Justice; tbd -- Chapter 17. Human well being/good life; Philip Brey -- Chapter

18. Inclusive/universal design; Simeon Keates -- Chapter 19. Presence and Participation; Carline Nevejan -- Chapter 20. Privacy; Martijn Warnier, Francien Dechesne and Frances Brazier -- Chapter 21. Responsibility; Jessica Nihlén Fahlquist, Neelke Doorn and Ibo van de Poel -- Chapter 22. Risk and safety; Neelke Doorn and Sven Ove Hansson -- Chapter 23. Sustainability; Bhamra, Mawle and Hernandez-Pardo -- Chapter 24. Trust; Philip Nickel.- Part IV. Application Domains -- Chapter 25. Part introduction; editors.- Chapter 26. Architecture; Christian Illies -- Chapter 27. Biotechnology; Henk van den Belt -- Chapter 28. Complex Systems; Paulien Herder and Eswaran Subrahmanian -- Chapter 29. Economics; John Groenewegen -- Chapter 30. Engineering; Ibo van de Poel -- Chapter 31. ICT; Huib Aldewereld, Virginia Dignum and Yao-Hua Tan -- Chapter 32. Institutions and Policy; Seamus Miller and David Koepsell -- Chapter 33. Military technology; Lambér Royakkers and Sjef Orbons -- Chapter 34. Nanotechnology; Johannes F. Jacobs and Marc J. de Vries -- Chapter 35. Nuclear technology; Behnam Taebi and Jan Leen Kloosterman -- Chapter 36. Water Management; Wim Ravesteijn and Otto Kroesen -- Chapter 37. Outlook.

Sommario/riassunto

This handbook enumerates every aspect of incorporating moral and societal values into technology design, reflects the fact that the latter has moved on from strict functionality to become sensitive to moral and social values such as sustainability and accountability. Aimed at a broad readership that includes ethicists, policy makers and designers themselves, it proffers a detailed survey of how technological, and institutional, design must now reflect awareness of ethical factors such as sustainability, human well-being, privacy, democracy and justice, inclusivity, trust, accountability, and responsibility (both social and environmental). Edited by a trio of highly experienced academic philosophers with a specialized interest in the ethical dimensions of technology and human creativity, this syncretic handbook collates an array of published material and offers a studied, practical introduction to the field. The volume addresses myriad aspects at the intersection of technology design and ethics, enabling designers to adopt a constructive approach in anticipating, preventing, and resolving societal and ethical issues affecting their work. It covers underlying theory; discrete values such as democracy, human well-being, sustainability and justice; and application domains themselves, which include architecture, bio- and nanotechnology, and military hardware. As the first exhaustive survey of a field whose importance is characterized by almost exponential growth, it represents a compelling addition to a formerly atomized literature.
