

---

# Contents

<b>Design for Values: An Introduction</b> .....	1
Jeroen van den Hoven, Pieter E. Vermaas, and Ibo van de Poel	
<b>Part I Sources</b> .....	<b>9</b>
<b>Value Sensitive Design: Applications, Adaptations, and Critiques</b> ....	11
Janet Davis and Lisa P. Nathan	
<b>Participatory Design and Design for Values</b> .....	41
Maja van der Velden and Christina Mörtberg	
<b>Technology Assessment and Design for Values</b> .....	67
Armin Grunwald	
<b>Part II Perspectives</b> .....	<b>87</b>
<b>Conflicting Values in Design for Values</b> .....	89
Ibo van de Poel	
<b>Design for Values and Operator Roles in Sociotechnical Systems</b> ....	117
Maarten Franssen	
<b>Design for Values and the Definition, Specification, and Operationalization of Values</b> .....	151
Peter Kroes and Ibo van de Poel	
<b>Design Methods in Design for Values</b> .....	179
Pieter E. Vermaas, Paul Hekkert, Noëmi Manders-Huits, and Nynke Tromp	
<b>Emotions in Design for Values</b> .....	203
Pieter M. A. Desmet and Sabine Roeser	
<b>Human Capabilities in Design for Values</b> .....	221
Ilse Oosterlaken	
<b>Mediation in Design for Values</b> .....	251
A. Spahn	

<b>Modeling for Design for Values</b> .....	267
Sjoerd D. Zwart	
<b>Part III Values</b> .....	<b>301</b>
<b>Design for the Values of Accountability and Transparency</b> .....	303
Joris Hulstijn and Brigitte Burgemeestre	
<b>Design for the Values of Democracy and Justice</b> .....	335
Auke Pols and Andreas Spahn	
<b>Design for the Value of Human Well-Being</b> .....	365
Philip Brey	
<b>Design for the Value of Inclusiveness</b> .....	383
Simeon Keates	
<b>Design for the Value of Presence</b> .....	403
Caroline Nevejan and Frances Brazier	
<b>Design for the Value of Privacy</b> .....	431
Martijn Warnier, Francien Dechesne, and Frances Brazier	
<b>Design for the Value of Regulation</b> .....	447
Karen Yeung	
<b>Design for the Value of Responsibility</b> .....	473
Jessica Nihlén Fahlquist, Neelke Doorn, and Ibo van de Poel	
<b>Design for the Value of Safety</b> .....	491
Neelke Doorn and Sven Ove Hansson	
<b>Design for the Value of Sustainability</b> .....	513
Renee Wever and Joost Vogtländer	
<b>Design for the Value of Trust</b> .....	551
Philip J. Nickel	
<b>Part IV Domains</b> .....	<b>569</b>
<b>Design for Values in Agricultural Biotechnology</b> .....	571
Henk van den Belt	
<b>Design for Values in Architecture</b> .....	589
Lara Schrijver	
<b>Design for Values in the Armed Forces: Nonlethal Weapons and Military Robots</b> .....	613
Lambèr Royackers and Sjef Orbons	
<b>Design for Values in Economics</b> .....	639
Aad Correljé, John Groenewegen, Rolf Künneke, and Daniel Scholten	

---

<b>Design for Values in Engineering</b> .....	667
Ibo van de Poel	
<b>Design for Values in the Fashion and Textile Industry</b> .....	691
Claudia Eckert	
<b>Design for Values in Healthcare Technology</b> .....	717
Gert Jan van der Wilt, Rob Reuzel, and John Grin	
<b>Design for Values in ICT</b> .....	739
Alina Huldtgren	
<b>Design for Values in Institutions</b> .....	769
Seumas Miller	
<b>Design for Values in Nanotechnology</b> .....	783
Urjan Jacobs and Marc de Vries	
<b>Design for Values in Nuclear Technology</b> .....	805
Behnam Taebi and Jan Leen Kloosterman	
<b>Design for Values in Software Development</b> .....	831
Huib Aldewereld, Virginia Dignum, and Yao-hua Tan	
<b>Design for Values in Water Management</b> .....	847
Wim Ravesteijn and Otto Kroesen	
<b>Index</b> .....	869