

|                         |  |
|-------------------------|--|
| 1. Record Nr.           | UNINA9910813288603321  |
| Autore                  | Whitbeck Caroline  |
| Titolo                  | Ethics in Engineering Practice and Research / / Caroline Whitbeck, Case Western Reserve University [[electronic resource]]   |
| Pubbl/distr/stampa      | Cambridge : , : Cambridge University Press, , 2011   |
| ISBN                    | 1-139-17961-6<br>1-107-21955-8<br>1-283-38247-4<br>9786613382474<br>1-139-18932-8<br>0-511-97633-X<br>1-139-18802-X<br>1-139-19062-8<br>1-139-18340-0<br>1-139-18571-3   |
| Edizione                | [Second edition.]  |
| Descrizione fisica      | 1 online resource (xxiii, 414 pages) : digital, PDF file(s)  |
| Classificazione         | TEC009000  |
| Disciplina              | 174/.962   |
| Soggetti                | Engineering ethics   |
| Lingua di pubblicazione | Inglese  |
| Formato                 | Materiale a stampa   |
| Livello bibliografico   | Monografia   |
| Note generali           | Title from publisher's bibliographic system (viewed on 05 Oct 2015).   |
| Nota di bibliografia    | Includes bibliographical references and index.   |
| Nota di contenuto       | Machine generated contents note: Part I. Values and the Evaluation of acts in engineering: Introduction to ethical reasoning and engineering ethics; 1. Professional practice in engineering; 2. Two examples of professional behavior: Roger Boisjoly and William Lemessurier; Part II. Engineering Responsibility: 3. Ethics as design - doing justice to moral problems; 4. Central professional responsibilities of engineers; 5. Computers, software, and digital information; 6. Rights and responsibilities regarding intellectual property; 7. Workplace rights and responsibilities; Part III. Responsible research conduct: 8. Ethics in the changing domain of research; 9. Responsible authorship and credit in engineering and scientific research; Part IV. The future of engineering: 10. Responsibility for the environment; 11. End use and 'macro' issues. |
| Sommario/riassunto      | The first edition of Caroline Whitbeck's Ethics in Engineering Practice  |

and Research focused on the difficult ethical problems engineers encounter in their practice and in research. In many ways, these problems are like design problems: they are complex, often ill defined; resolving them involves an iterative process of analysis and synthesis; and there can be more than one acceptable solution. In the second edition of this text, Dr Whitbeck goes above and beyond by featuring more real-life problems, stating recent scenarios and laying the foundation of ethical concepts and reasoning. This book offers a real-world, problem-centered approach to engineering ethics, using a rich collection of open-ended case studies to develop skill in recognizing and addressing ethical issues.

---