

1. Record Nr.	UNINA9910299484403321
Autore	Bowen W. Richard
Titolo	Engineering Ethics : Challenges and Opportunities / / by W. Richard Bowen
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2014
ISBN	3-319-04096-0
Edizione	[1st ed. 2014.]
Descrizione fisica	1 online resource (150 p.)
Disciplina	174.962
Soggetti	Engineering economy Ethics Manufactures Engineering Economics, Organization, Logistics, Marketing Manufacturing, Machines, Tools, Processes
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 at the end of each chapters and index.
Nota di contenuto	Introduction -- A Philosophical Analysis of the Nature of Engineering -- Engineering for Peace -- Engineering for Health -- Engineering for Development -- Personal Responsibility and Supporting Social Structures -- Convincing Others -- Engineering for Human Rights and Engineering Power -- Future Perspectives. .
Sommario/riassunto	Engineering Ethics: Challenges and Opportunities aims to set a new agenda for the engineering profession by developing a key challenge: can the great technical innovation of engineering be matched by a corresponding innovation in the acceptance and expression of ethical responsibility? Central features of this stimulating text include: An analysis of engineering as a technical and ethical practice providing great opportunities for promoting the wellbeing and agency of individuals and communities. Elucidation of the ethical opportunities of engineering in three key areas: <ul style="list-style-type: none"> - Engineering for Peace, emphasising practical amelioration of the root causes of conflict rather than military solutions. - Engineering for Health, focusing on close collaboration with healthcare professionals for both the promotion and restoration of health. - Engineering for

Development, providing effective solutions for the reduction of extreme poverty. Innovative strategies for implementing these ethical opportunities are described:

- Emphasis on the personal responsibility of every engineer and on the
- Use of language and concepts that are appealing to business managers and political decision makers.

Future prospects for increasing the acceptance and expression of ethical responsibility by engineers are envisaged. Engineering Ethics: Challenges and Opportunities provides engineers, decision makers and the wider public with new understanding of the potential of engineering for the promotion of human flourishing.
