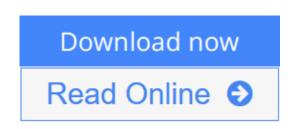# Controlling Technology: Ethics and the Responsible Engineer

By Stephen H. Unger

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This text on controlling technology examines issues such as engineers on the spot, codes of engineering ethics, role of engineering societies in ethics, the law, and how to avert conflict at the source.

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Editorial Review

From the Publisher
This book is also available through the Introductory Engineering Custom Publishing System. If you are interested in creating a course-pack that includes chapters from this book, you can get further information by calling 212-850-6272 or mailing email inquiries to engineerjwiley.com. Updated, supplemented and revised, this edition discusses the moral obligations engineers face. Contains a wealth of case studies which demonstrate and reinforce concepts presented. Stresses important issues such as the choices required between employed engineers behaving ethically and retaining their jobs. Covers the consequences of secrecy in technology, current posture and activities of professional societies and techniques developed for the nuclear industry to avert conflict. There is a new chapter on catastrophes, several new case studies and a section on standards, including a discussion of the Hydrolevel case.

From the Back Cover
Controlling Technology Ethics and the Responsible Engineer Second Edition This valuable guide provides an in-depth treatment of what constitutes ethical behavior on the part of engineers. It carefully examines the various conflicts faced by engineers and offers practical, proven advice on what to do in such situations. This revised and considerably expanded Second Edition examines the causes and consequences of technological disasters such as Bhopal, Chernobyl, Challenger, and the precursor of them all, the Titanic. It also describes such highly successful projects as the Panama Canal and the Shinkansen. All the major areas of engineering are covered with interesting case histories describing exemplary behavior of engineers placed in difficult situations. The way in which such ethical engineers can be supported by their professional societies and by the law is explored in depth. Controlling Technology: Ethics and the Responsible Engineer, Second Edition presents a practical and fascinating examination of the moral obligations, responsibilities, and challenges faced by engineers as they perform their professional duties. This invaluable guide is must reading for all engineers, graduate engineering students, and others interested in technology and society issues.

About the Author
Stephen H. Unger is at Columbia University.

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