

SAFETY & HEALTH FOR ENGINEERS

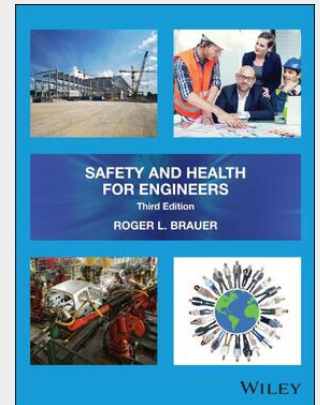
Safety and Health for Engineers, 3rd Edition, addresses the fundamentals of safety, legal aspects, hazard recognition and control, and techniques for managing safety decisions, as well as:

- * Completely revises and updates all 38 chapters in the book
- * New edition adds more than 110 stories and cases from practice to illustrate various topics or issues
- * New topics on adapting to new safety concerns that arise from technology innovations; convergence of safety, health and environmental departments in many organizations; the concept of prevention through design; and emphasis on safety management systems and risk management and analysis
- * Includes learning exercises and computational examples based on real world situations along with in-depth references for each chapter
- * Includes a detailed solutions manual for academic adopters
- * Covers the primary topics included in certification exams for professional safety, such as CSP/ASP

The essential guide to blending safety and health with effective and economical engineering Engineers have a moral, legal and ethical responsibility to protect the public in professional practice and in design of products, buildings, processes, equipment, work and workplaces. Most engineering degree programs place high importance on safety in engineering design and practice. The overall field of safety continues to change. Safety and health professional work demands higher levels of education. Roles of safety and health professionals have shifted from implementing safety details to overseeing strategies, methods and practices that achieve safety. The changing roles reflect the business practice of moving safety knowledge and skills deeper into organizations and workgroups. Safety and Health for Engineers, 3rd Edition is a comprehensive guide that helps engineers and safety and health practitioners reconcile safety and economic concerns using the latest cost-effective methods of ensuring safety in all facets of their work. It addresses the fundamentals of safety, legal aspects, hazard recognition and control, the human element of safety, and techniques for managing safety and risk in engineering decisions. The third edition features new topics such as

- * Adapting to new safety concerns that arise from technology innovations
- * Convergence of safety, health and environmental departments in many organizations
- * Prevention through design
- * Risk Analysis and Management and Safety Management Systems

Written for engineers, plant managers, safety and health professionals, and students, Safety and Health for Engineers, Third Edition provides the information and tools you need to unite health and safety with economical engineering for safer technological solutions. The new edition continues to help engineers seeking roles in safety and health or expanding such roles. Roger L. Brauer Ph.D. was the first Recipient of the Roger Brauer Lifetime Achievement Award from the Board of Certified Safety Professionals. He is a fellow in the American Society of Safety Engineers and 68th Inductee in the Safety and Health Hall of Fame International. Dr. Brauer was an adjunct professor of safety engineering at University of Illinois at Urbana-Champaign for 20 years and a Principal investigator at the US-Army Construction Engineering Research Laboratory in Champaign, Illinois for 20 years. He was also Executive Director of the Board of Certified Safety Professionals for 15 years.



139,00 €

129,91 € (zzgl. MwSt.)

Lieferfrist: bis zu 10 Tage

Artikelnummer: 9781118959459

Medium: Buch

ISBN: 978-1-118-95945-9

Verlag: WILEY

Erscheinungstermin: 24.06.2016

Sprache(n): Englisch

Auflage: 3. Auflage 2016

Produktform: Gebunden

Gewicht: 1568 g

Seiten: 608

Format (B x H): 219 x 284 mm

