



The Structural Engineer's Professional Training Manual

Dave K. Adams

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The Business and Problem-Solving Skills Needed for Success in Your Engineering Career!

The *Structural Engineer's Professional Training Manual* offers a solid foundation in the real-world business and problem-solving skills needed in the engineering workplace.

Filled with illustrations and practical "punch-list" summaries, this career-building guide provides an introduction to the practice and business of structural and civil engineering, including lots of detailed advice on developing competence and communicating ideas. Comprehensive and easy-to-understand, *The Structural Engineer's Professional Training Manual* features:

- Recommendations for successfully training engineers who are new to the field
- Methods for bringing together ideas from a variety of sources to find workable solutions to difficult problems
- Information on the real-world behaviors of building materials
- Guidance on licensing, liability, regulations, and employment
- Techniques for responsibly estimating design time and cost
- Tips on communicating design ideas effectively
- Strategies for working successfully as part of a team

Inside This Skills-Building Engineering Resource

• The Dynamics of Training • The World of Professional Engineering • The Business of Structural Engineering • Building Projects • Bridge Projects • Building Your Own Competence • Communicating Your Designs • Engineering Mechanics • Soil Mechanics • Understanding the Behavior of Concrete • Understanding the Behavior of Masonry Construction • Understanding the Behavior of Structural Steel • Understanding the Behavior of Wood Framing



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Brian Davis:

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Daria Gertz:

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