

SUPPLEMENT TO FLUID MECHANICS, WATER HAMMER, DYNAMIC STRESSES, AND PIPING DESIGN

ROBERT A. LEISHEAR

ASME Press, Two Park Avenue, New York, NY 10016-5990. 2015.

FEATURED

This addendum to the author's original book on fluid mechanics includes recommended additions and corrections to the original text, which was published by ASME Press in 2013. Numerous reviews were performed on the original text for this book, and manuscripts for the book were used to teach the topics in the text to four separate classes of engineers at the U.S. Department of Energy's Savannah River Site, where the author works. Comments from these four-day classes were incorporated into the original manuscript to improve the presentation. Even so, improvements and some corrections have been noted during ASME classes taught after publication. This addendum captures these additions and changes. Also included in this addendum are appendices to summarize this book through "A Discussion of DLFs [dynamic load factors] for Piping Design" and the "Design of Piping Systems for Dynamic Loads from Fluid Transients."

134 PAGES. \$39; ASME MEMBERS, \$31. ISBN: 978-0-7918-6049-6.

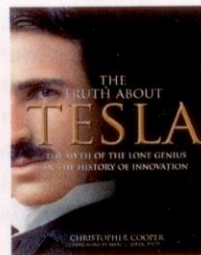


STEAM: ITS GENERATION AND USE 42ND EDITION

Edited by Gregory L. Tomei
The Babcock & Wilcox Co., 20 S. Van Buren
Avenue, P.O. Box 351, Barberton, OH
44203-0351. 2015.

The harnessing of steam is generally regarded as the start of the Industrial Revolution. And yet it remains a dynamic field. As Tomei points out in his foreword, "New technologies currently under development were unheard of only a few years ago." The first edition of *Steam: Its Generation and Use* was published in 1875. According to the book's creator and publisher, the Babcock & Wilcox Co., it is the longest continuously published engineering book of its kind. The text includes the work of more than 80 authors, working with a panel of six technical editors and the editor-in-chief. The subject of steam is discussed in 53 chapters divided into eight sections. It begins with eight chapters of "Steam Fundamentals" and moves on to cover steam generation, applications, environmental protection, construction, operation, and maintenance. The eighth section gives separate treatment to "Steam Generation from Nuclear Energy." Appendices include steam tables and a discussion of codes and standards.

1,222 PAGES. HARDCOVER, INCLUDING CD OF TEXT, \$120; E-BOOK, \$100; HARDCOVER AND E-BOOK, \$135. ISBN 978-0-9634570-2-8.



THE TRUTH ABOUT TESLA

Christopher Cooper
Race Point Publishing, 142 West 36th
Street, New York, NY 10018. 2015.

There's little doubt that Nikola Tesla has star quality, as much for his showmanship as for his inventiveness. As Christopher Cooper points out, most of the information available about Tesla's life comes from Tesla himself, who claims, for instance, that he was born during an electrical storm that was a sign of greatness to come. Cooper, who holds a degree in energy law from Vermont Law School, subtitles this book "The Myth of the Lone Genius in the History of Innovation." His premise is that every scientific luminary, not just Newton, sees farther by standing on the shoulders of giants. As he puts it when he acknowledges his own sources, "A major thesis of this book is that great inventions are rarely the products of single minds working in isolation." Much of the text recounts not only the stories of Tesla's inventions, but also of the discoveries and developments of earlier researchers on whose work Tesla's was based. It tells, too, of some who tried to pirate Tesla's inventions and claim them as their own. An appendix also corrects some of the myths about Tesla. He never won a Nobel Prize, for example, nor did he perfect wireless transmission of electricity.

200 PAGES. \$28. ISBN: 978-1-63106-030-4.