Third Edition

Design of Marine Facilities

ENGINEERING FOR PORT AND HARBOR STRUCTURES

John W. Gaythwaite, P.E., D.PE, D.CE

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Other Titles of Interest

***Mooring of Ships to Piers and Wharves*, by Mooring Analysis Task Committee, edited by John W. Gaythwaite.** ASCE Manuals and Reports on Engineering Practice No. 129 (2014). Provides guidelines for the determination of safe mooring design practices for vessels at fixed piers and wharves in ports and harbors.

***Planning and Design Guidelines for Small Craft Harbors*, by Task Committee on Marinas 2020.** ASCE Manuals and Reports on Engineering Practice No. 50, Third Edition (2012). Assists those involved with waterfront development to produce facilities that are convenient, attractive, and safe, as well as meeting aesthetic, social, and cultural goals.

***Safe Operation and Maintenance of Dry Dock Facilities*, edited by Paul A. Harren.** ASCE Manuals and Reports on Engineering Practice No. 121 (2010). Provides guidance for the operation of floating dry docks, graving docks, marine railways, and vertical lifts.

Seismic Design of Piers and Wharves. Standard ASCE/COPRI 61-14 (2014). Uses displacement-based design methods to establish guidelines for the design of piers and wharves to withstand the effects of earthquakes.

***Waterfront Facilities Inspection and Assessment*, by Waterfront Facility Inspection Committee, edited by Ronald E. Heffron.** ASCE Manuals and Reports on Engineering Practice No. 130 (2015). Supplies engineers with guidelines and tools for inspecting and evaluating the condition of waterfront structures located in seawater and freshwater environments.

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On the cover
A modern container ship berthed in Hamburg, Germany.
Photo courtesy of Chriss73/iStockPhoto.

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To My Wife,
Michele Rabot Gaythwaite

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