

**University Education and Training  
for the Marine Industry**

**39th Annual  
Docks and Marinas® 2013**

**November 18–20, 2013  
Madison, Wisconsin**

- ☑ Learn about the latest innovative and practical solutions
- ☑ Meet with marina industry leaders
- ☑ Take home valuable references

**New! One-Day Class**

**Modern Marina Design**

This year, attend a new one-day class on marina design, November 21, 2013, immediately following *Docks and Marinas® 2013*. Attendees of *Docks and Marinas® 2013* will receive a discount on the class registration fee. Or attend just the marina design course for a separate registration fee.

*See inside for details...*



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UNIVERSITY OF WISCONSIN-MADISON

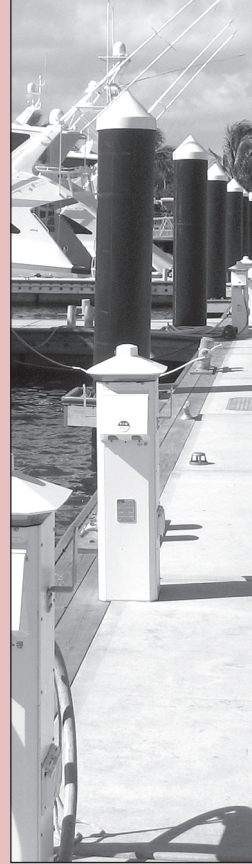
Department of Engineering Professional Development  
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*University Education and Training  
for the Marine Industry*



**39th Annual  
Docks and  
Marinas® 2013**

**November 18–20, 2013  
Madison, Wisconsin**

- Benefit from new topics this year, including dry stack storage, gangway design, mooring fields, and hurricane planning
- Get the most comprehensive coverage of current, practical solutions
- Meet with leading experts in the marina industry

*See inside for details...*

39th Annual

## Docks and Marinas® 2013

November 18–20, 2013 in Madison, Wisconsin



### Innovative and Practical Solutions

This year's *Docks and Marinas* course includes valuable cutting-edge ideas and practices. You will return to your job with new techniques and technologies that will provide innovative and practical solutions to your marina challenges.

### Nationally Recognized Experts

Each instructor has been chosen based on their technical expertise and their ability to communicate their knowledge effectively. They represent leading consulting firms, government agencies, and universities from all over the country. Many speakers have significant international as well as national experience.

### Outstanding Instructors

**Claudio Fassardi**

CH2MHill

**Chris Dolan**

Eaton Corporation

**Tim Blankenship**

Coastal Systems International, Inc.

**Guerry Taylor**

Jon Guerry Taylor & Associates

**Dan Natchez**

Dan Natchez & Associates, Inc.

**Randy Hines**

USGS

**Craig Funston**

Redpoint Structures

**Bill Brose**

SmithGroupJJR, LLC

**Dennis Kissman**

Marina Management Services, Inc.

**Tim Keogh**

Marina Management Services, Inc.

**Jack Cox**

SmithGroupJJR, LLC

**Teresa Jarrett**

Nevada Department of Wildlife

**David S. Liebl**

University of Wisconsin–Madison

### Quality, Objective Information

2013 marks the 39th consecutive year that the University of Wisconsin–Madison has presented *Docks and Marinas*. Since 1974, this course and conference has provided comprehensive coverage of the key developments in the marina industry to marina engineers, planners, designers, owners, and operators. Because we are a world-class university, you will get the highest quality, objective information – not a sales pitch.

This year's topics include:

- Mooring fields
- Dry stack storage
- Electrical hazards
- Rewiring existing fixed piers
- Accessibility
- Invasive species
- Gangway design
- Innovative computer tools
- Accommodating market trends
- Taking advantage of funding sources
- Hurricane planning
- Ice protection

### Individual Contact

In addition to having many opportunities to speak directly with the instructors and with other attendees, you will have a chance to get your questions answered during structured networking sessions.

### Meals Provided

Included in the registration fee are continental breakfasts, luncheons, morning and afternoon breaks each day, as well as an informal networking reception at the end of the first day.

### Team Discounts Available

Multiple persons from the same firm or organization are each entitled to receive a team discount. To take advantage of this discount, please contact Howard Rosen at [rosen@engr.wisc.edu](mailto:rosen@engr.wisc.edu)

### Modern Marina Design

November 21, 2013  
in Madison, Wisconsin

### Integrated Approach to Marina Design

*Modern Marina Design* is a new one-day course offered by the University of Wisconsin–Madison. This course offers the most current methods and examples of an integrated approach to marina design. The course features case studies and a hands-on workshop. *Modern Marina Design* is designed for consulting engineers, marina designers, operators, and managers interested in using the latest methods and concepts in marina design.

### Attend Both Courses and Save!

Scheduled for November 21, 2013 in Madison, Wisconsin, this course immediately follows *Docks and Marinas® 2013* so that you can conveniently attend both courses. You also have the option of registering for *Modern Marina Design* only. Attend both *Modern Marina Design* and *Docks and Marinas® 2013* and save \$100!

### Expert Instructors

The instructors selected for this class were all authors of chapters in the new ASCE Manual of Practice #50, *Planning and Design Guidelines for Small Craft Harbors*. The Instructors include:

**Fred A. Klancnik, PE, FASCE**, Vice President of SmithGroupJJR; Chairman of the ASCE Marinas 202 Committee; editor of the MOP #50

**Bill Brose**, Vice President and Senior Coastal Engineer for SmithGroupJJR

**Jack Cox**, Principal and Senior Coastal Engineer for SmithGroupJJR

**ENROLL ONLINE TODAY! Or visit our Web site.**

# Docks and Marinas<sup>®</sup> 2013

November 18–20, 2013 in Madison, Wisconsin



## Course Schedule

### Monday, November 18

**7:00 Registration and Continental Breakfast**  
The Pyle Center

702 Langdon Street  
Madison, WI

**8:00 Welcome and Course Announcements**

*Howard Rosen, PhD, Director*

*Jack Cox, PE, Adjunct Program Director*

**8:30 Mooring Fields**

- Non-traditional moorings
- Mooring fields
- Single point moorings
- Catenary design

**10:00 Morning Break**

**10:30 Electric Utilities**

- Identifying and minimizing hazards
- Retrofitting old wiring
- Achieving energy savings

**12:00 Luncheon (provided)**

**1:00 Dry Stack Storage**

- Determining your dimensional needs
- Planning the layout
- Choosing methods of moving boats

**2:30 Afternoon Break**

**3:00 Networking Session**

- Facilitated Q&A
- Small group discussions

**4:30 Adjournment**

(Followed by informal catered reception)

### Tuesday, November 19

**8:00 Fixed Docks**

- Choosing materials
- Providing access
- Meeting regulatory requirements

**9:00 Providing Accessibility**

- Understanding ADA
- Design options

**10:00 Morning Break**

**10:30 Dealing with Invasive Species**

- How they get to us: Asian carp, zebra mussels, aquatic plants
- Understanding their life cycle
- Mitigating their impact

**12:00 Luncheon (provided)**

**1:00 Gangway Design**

- Optional design approaches
- Hinging and landing
- Slings utilities
- Accommodating vertical and horizontal loads

**2:00 Managing Stormwater Runoff**

- Best management practices (BMP's)
- Improving water quality

**2:30 Afternoon Break**

**3:00 Innovative Computer Tools**

- Visualization

**3:30 Networking Session**

- Facilitated Q&A
- Small group discussions

**5:00 Adjournment**

### Wednesday, November 20

**8:00 Analyzing and Responding to Changes in the Marina Marketplace**

- Determining changes in demand
- Setting your price point
- Creating a budget
- Determining staffing requirements
- Forecasting occupancy

**9:30 Morning Break**

**10:00 Funding Options**

**11:00 Planning Hurricane Protection**

- Planning and design issues
- Developing an evacuation plan
- Developing a post-hurricane return to action plan

**12:00 Luncheon (provided)**

**1:00 Reducing Ice Damage**

- Engineering strategies and design recommendations
- Deicing systems
- Marine piles

**2:00 Final Adjournment**



For details on University of Wisconsin–Madison Docks and Marinas courses visit [epd.engr.wisc.edu/docksmarinas](http://epd.engr.wisc.edu/docksmarinas).

## Modern Marina Design

November 21, 2013  
in Madison, Wisconsin

### Course Schedule

#### Thursday, November 21

**7:00 Registration and Continental Breakfast**  
The Pyle Center

702 Langdon Street  
Madison, WI

**8:00 Welcome and Course Announcements**

*Howard Rosen, PhD, Director*

*Fred Klancknik, PE*

**8:15 Marina Planning**

- Integrating engineering with environmental and economic considerations

**9:15 Harbor and Breakwater Design**

**10:30 Break**

**10:45 Design of Inner Harbor Structures**

**12:00 Lunch (provided)**

**1:00 Design of Land-based Support Facilities**

**2:00 Case Studies**

- Westshore Yacht Club
- Makrinisos Marina

**3:00 Break**

**3:15 Workshop on Marina Design**

**4:45 Conclusion**

**5:00 Final Adjournment**



## Save on the New Marina Design Manual

As a course enrollee, you are authorized to order the new ASCE Manual of Practice #50, *Planning and Design Guidelines for Small Craft Harbors* at a significant discount. Use the course order form (in this brochure or online) to purchase your copy for \$70 (list price is \$115; ASCE member price is \$86.25).

## Four Easy Ways to Enroll



**Internet:**  
epd.engr.wisc.edu/webP083

**ENROLL ONLINE  
TODAY!**



**Phone:**  
800-462-0876 or  
608-262-1299 (TDD 265-2370)



**Mail to:**  
The Pyle Center  
Attn: Engineering Registration  
702 Langdon Street  
Madison, Wisconsin 53706



**Fax:**  
800-442-4214 or  
608-265-3448

### Course Information

- Please enroll me in **Docks and Marinas® 2013**  
**Course #P083** November 18–20, 2013 in Madison, Wisconsin Fee: \$1095
- Please enroll me in **Modern Marina Design**  
**Course #P305** November 21, 2013 in Madison, Wisconsin Fee \$495
- Please enroll me in **both Docks and Marinas® 2013 and Modern Marina Design**  
Fee \$1,490
- Yes, I wish to order a copy (sorry only one per attendee) of *Planning and Design Guidelines for Small Craft Harbors*. Please add \$70 to my course fee.
- I cannot attend at this time. Please send me brochures on future courses and conferences.

**Enroll now! Docks and Marinas® 2013 seating is limited. Don't be disappointed.**

### Personal Information (Please print clearly.)

Name \_\_\_\_\_  
Title \_\_\_\_\_  
Company \_\_\_\_\_  
Address \_\_\_\_\_  
City/State/Zip \_\_\_\_\_  
Phone (\_\_\_\_\_) \_\_\_\_\_ Fax (\_\_\_\_\_) \_\_\_\_\_  
E-mail \_\_\_\_\_

### Additional Enrollees

Name \_\_\_\_\_  
Title \_\_\_\_\_  
E-mail \_\_\_\_\_  
Name \_\_\_\_\_  
Title \_\_\_\_\_  
E-mail \_\_\_\_\_

### Billing Information

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## Need to Know More?

Call toll free **800-462-0876** and ask for

**Program Director:** Howard Rosen, PhD  
rosen@epd.engr.wisc.edu

**Program Associate:** Debbie Benell  
benell@epd.engr.wisc.edu

## General Information

**Fee Covers** Instruction, comprehensive set of course notes in a large course notebook, continental breakfasts, morning and afternoon break refreshments, luncheons, and a University of Wisconsin Certificate of Participation recognizing achievement with PDH, CEU, and AIA LU/HSW. Fee does not include lodging or other meals. We do not publish proceedings. Due to copyright laws, course materials are not available to the public for resale after the course.

**Enrollment and Confirmation** You can enroll in advance by fax, phone, online, or mail. Be certain you receive your written confirmation before making travel arrangements to attend the course.

**Cancellation** If you cannot attend please notify us at least seven days prior to the course start, and we will refund your fee. Cancellations received after that date and no-shows are subject to a \$150 administrative fee per course. You may enroll a substitute at any time before the course starts.

**Location** Courses will be held at the Pyle Center, 702 Langdon Street on the UW–Madison campus, overlooking Lake Mendota.

### Accommodations for Docks and Marinas® 2013

We have reserved a block of guest rooms (rates starting at \$89, including continental breakfast) at The Lowell Center, 610 Langdon Street, Madison, WI. Reserve a room online at epd.engr.wisc.edu/lodgingP083 or call 866-301-1753 or 608-256-2621. Room requests after October 18 will be subject to availability. Other fees and restrictions may apply.

We have reserved a second block of guest rooms (rates starting at \$118, including shuttle) at The Madison Concourse Hotel and Governor's Club, One West Dayton Street, Madison, WI. Reserve a room online at epd.engr.wisc.edu/lodgingBP083 or call 800-356-8293 or 608-257-6000 and indicate that you will be attending this course under group code 301185. Room requests after October 28 will be subject to availability. Other fees and restrictions may apply.

### Accommodations for Modern Marina Design

We have reserved a block of guest rooms (rates starting at \$118, including shuttle) at The Madison Concourse Hotel and Governor's Club, One West Dayton Street, Madison, WI. Reserve a room online at epd.engr.wisc.edu/lodgingP305 or call 800-356-8293 or 608-257-6000 and indicate that you will be attending this course under group code 301185. Room requests after October 28 will be subject to availability. Other fees and restrictions may apply.

We have reserved a second block of guest rooms (rates starting at \$89, including continental breakfast) at The Lowell Center, 610 Langdon Street, Madison, WI. Reserve a room online at epd.engr.wisc.edu/lodgingBP305 or call 866-301-1753 or 608-256-2621 and indicate that you will be attending this course under group code P305. Room requests after October 18 will be subject to availability. Other fees and restrictions may apply.

## Continuing Education Credit

By participating in **Course #P083**, you will earn 21 Professional Development Hours (PDH), 2.1 Continuing Education Credits (CEU), or 21 American Institute of Architects (AIA) LU/HSW.

By participating in **Course #P305**, you will earn 6 Professional Development Hours (PDH) or .6 Continuing Education Credits (CEU).

**ENROLL ONLINE TODAY! Or visit our Web site.**