

## ***Marina Design***

**(8 hr) Short Course / Workshop**

**May 6, 2018  
Panama City, Panama**

### Course Objective

Modern marinas offer an opportunity to enhance urban waterfronts, add value to coastal resort projects and complement environmental management projects, but require unique considerations.

The course is intended for engineers, planners, architects and regulators interested in recreational navigation infrastructure planning and design, as well as marina developers and owners.

This one-day short course is part of PIANC's RecCom Marina Designers Training Program.

### Scope

The program includes both practical design fundamentals and international advances in sustainable marina development. Both senior professionals in related fields and young professionals will benefit from this course. The program includes a hands-on real-life concept planning exercise.

Related PIANC Reports include:

WG 149 - Guidelines for Marina Design

WG 134 - Guidelines for Superyacht Facilities WG 132 - Dry Stack Storage

and ongoing Working Groups related to: sustainable marina design (working with nature), recreational mooring buoys, marinas within fishing and commercial ports, etc.

### Instructors

The short course is organized by PIANC's Recreational Navigation Commission. Instructors include:

- Esteban L. Biondi, Applied Technology & Management, Chairman of RecCom
- Michiel de Jong, Royal HaskoningDHV, ViceChairman of RecCom
- Claudio Fassardi, CH2M Hill, Chairman of WG168
- (other instructors may be added)