



Modelling of Harbour and Coastal Structures

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Message from the Guest Editors

Being the most heavily populated areas in the world, coastal zones host the majority and some of the most important human settlements, infrastructure and economic activities. Harbour and coastal structures are essential, facilitating the transport of people and goods through ports, and protecting low lying areas against flooding and erosion. While based on relatively rigid concepts about service life in the past, nowadays, the design of these structures—or the upgrading of existing structures—should effectively proof them against future pressures, enhancing their resilience and long-term sustainability.

This Special Issue invites original scientific contributions on topics including:

- Harbour and coastal structures design and upgrading (seawalls, revetments, bulkheads, jetties, emerged/submerged groins and breakwaters, artificial reefs, etc.).
- Wave agitation and siltation problems in harbour basins and approach channels.
- Shoreline erosion control downcoast of harbours.
- Harbour layout design.

Research articles, review articles and case studies are welcome; contributions can be based on numerical, physical or combined numerical and physical modelling.





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