

**COASTAL  
ENGINEERING  
2022**

Proceedings of the 37th International Conference

# COASTAL ENGINEERING 2022

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Edited by

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**Abstract:** This *Proceedings* contains 509 papers from the 37<sup>th</sup> International Conference on Coastal Engineering, which was held in Sydney, Australia from 4 December to 9 December, 2022. The *Proceedings* is divided into six parts: Papers; Waves; Swash, Nearshore Currents, and Long Waves; Sediment Transport and Morphology; Coastal Structures; and Coastal Management, Environment, and Risk. The Papers section includes full length Proceedings papers, covering a broad range of topics including theory, numerical and physical modeling, field measurements, case studies, design, and management. The other sections include abstracts and references, as presented at the conference. These submissions provide engineers, scientists, and planners state-of-the-art information on coastal engineering and coastal processes.

## Foreword

The 37<sup>th</sup> International Conference on Coastal Engineering (ICCE) was held in Sydney, Australia from 4 December to 9 December, 2022. This in-person conference followed the virtual ICCE of 2020 and successfully brought together over 900 people from upwards of 80 countries to discuss research and applications in coastal engineering considering the Present State of the Art and Science. The Local Organizing Committee, led by Ian Turner, persevered to host a successful in-person conference. The authors have provided state-of-the art contributions, as reflected in this volume that catalogs their commitment to studying and solving coastal engineering challenges. Thank you to the members of the ASCE/COPRI Coastal Engineering Research Council (CERC), the ICCE 2022 Technical Review Committee, and the Local Organizing Committee who reviewed over 800 abstracts and accepted 600 of these submittals to be presented orally at the conference. The dedication of reviewers is reflected in the continued high quality and esteemed regard of the International Conference of Coastal Engineering.

Preparation of these proceedings was made possible with the assistance of many colleagues. Thank you to Patrick Lynett, CERC Chair, the entire CERC, and the Local Organizing Committee for their guidance and encouragement.

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## **Acknowledgments**

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## **Sponsorship**

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The ICCE 2022 Local Organizing Committee also expresses sincere gratitude to all the organizations represented in the technical exhibition.