



COASTAL SEDIMENTS '87

VOLUME I

Edited by Nicholas C. Kraus

FOREWORD

COASTAL SEDIMENTS '87 was organized as a technical specialty conference concerning the physical aspects of sediment processes in the coastal environment. Following in the tradition of its precursor, COASTAL SEDIMENTS '77, the conference was designed to promote a broad exchange of information and views among specialists in the fields of coastal engineering, geology, oceanography, and other related disciplines. COASTAL SEDIMENTS '87 was structured around three major themes: Fundamentals of Coastal Sediment Transport, Engineering and Coastal Sedimentary Processes, and Coastal Geologic Processes. Equal numbers of papers were presented in each theme, and these two volumes document advances made during the decade 1977-1987 in the numerous and diverse aspects of coastal sediment processes. The "Effects of Seawalls on the Coast" was a subtheme of the conference, and a plenary panel session was convened to discuss this controversial subject. Approximately 40 of the more than 150 presentations were given by specialists from countries other than the United States, making COASTAL SEDIMENTS '87 a truly international conference, as well as emphasizing the tremendous worldwide interest in coastal sediment processes.

The Conference Organizing Committee was comprised of representatives from the four coasts of the United States and from several coastal disciplines. Papers were solicited to include the widest possible range in expertise. Each paper accepted for inclusion in the Proceedings received a positive review from at least two peers. Each paper is eligible for ASCE awards.

The conference organizers acknowledge the generous assistance of many individuals. In particular, Gail Ashley (Rutgers University; SEPM Conference Liaison), Suzette Kimball (Virginia Institute of Marine Science) and Lee Weishar (Coastal Engineering Research Center (CERC), U.S. Army Engineer Waterways Experiment Station) provided valuable assistance at the initial stage of conference preparations. Mark Gravens (CERC) and Magnus Larson (University of Lund, Sweden; guest researcher at CERC) provided considerable logistical support throughout the final year of preparations.

CONFERENCE COMMITTEE

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The papers in these Proceedings are open to discussion in the ASCE Journal of the Waterway, Port, Coastal and Ocean Engineering Division.