Maritime Simulation

Proceedings of the
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Edited by Moshe R. Heller, CONTROL DATA

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Editor:
Moshe R. Heller, Control Data GmbH, FRG
Welcome to Bavaria - Germany and to the First Intercontinental Maritime Simulation Symposium and Mathematical Modelling Workshop. A triennial international conference jointly promoted by Control Data, IMSF and SCS, which takes place at Schliersee, a small town near the Alps.

The aim of the Symposium is to cover most of the aspects of maritime modelling and simulation in theory and practice, to promote the exchange of knowledge and experience between different international research groups in this field, and to strengthen the international contact between developers and users of modelling and simulation techniques.

On the occasion of the Symposium people of scientific and engineering disciplines will meet to discuss the state-of-the-art and future activities and developments.

A large number of contributed papers has been strictly examined and selected by the papers committee to guarantee a high international standard.

The book contains the accepted papers which will be presented at the Symposium. The papers have been classified according to the following topics:
1. Fifth Generation Computer Technology
2. Simulation-Software-Tools
3. An Industrial Computer System - The Chrysler Story
4. Marine Mathematical Modelling
5. CFD for Marine Vehicles
6. Navigation Methodology
7. Marine Maneuvering and Motion Simulation
8. Off-Shore Modelling
9. Steering and Control of Marine Vehicles
10. Training and Traffic Control
11. Under-Water Vehicles Operation

Authors from 9 countries will meet at the Symposium. They work for Industrial Companies, Universities and the Military so that a broad spectrum of simulation activities is covered: Theory and application, hardware and software, research and operations.

The editor is grateful to the authors for making possible the publication of this book, and especially to the papers committee J. B. VAN DEN BRUG, STEVE CHISLETT, IAN R. MCCALLUM and JOSEPH J. PUGLISI, for the selection of the papers and the contribution to the success of the Symposium.

Mr. VON HAGEN and Ms. RAUFELDER of Springer-Verlag for the excellent publication of the proceedings to whom I would like to extend my thanks.
My thanks also go to all of the Control Data people who have been involved beyond everyday's work in the promotion of the Symposium.

Munich, June 1985

M. R. Heller
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