

First International Conference on Marine Simulation 1978

(MARSIM' 78)

**Southampton, United Kingdom
5 - 8 September 1978**

ISBN: 978-1-62276-659-8

Printed from e-media with permission by:

Curran Associates, Inc.
57 Morehouse Lane
Red Hook, NY 12571



Some format issues inherent in the e-media version may also appear in this print version.

Copyright© (1978) by International Marine Simulator Forum
All rights reserved.

Printed by Curran Associates, Inc. (2013)

For permission requests, please contact International Marine Simulator Forum
at the address below.

International Marine Simulator Forum
Prof. Capt. Stephen J. Cross
Maritime Institute Willem Barentsz
P.O.Box 26
8880 AA, West Terschelling
The Netherlands

Phone: +31 653 590001
Fax: +31 517 412111

sjcross@hetnet.nl

Additional copies of this publication are available from:

Curran Associates, Inc.
57 Morehouse Lane
Red Hook, NY 12571 USA
Phone: 845-758-0400
Fax: 845-758-2634
Email: curran@proceedings.com
Web: www.proceedings.com

List of Speakers, title of the paper they
presented, and Discussion Index.

	Page
Welcome by Captain C.N.Phelan	1
Opening Address by Rear Admiral H.H. Bell	6
<u>Session I</u>	
Experience of Bridge Team Training using the Warsash Ship Simulator J.L. Gyles and D. Salmon	12
The Cost and Benefit of Nautical Simulators. A User's Point of View. G. Zade	18
Discussion on the Film: A Week in Port Revel J. Rolland	22
<u>Session II</u>	
Construction and Reduction of Scenarios K.D.Jones	24
IHI Ship Manoeuvring Simulator and its Applications Y. Matsuura	41
A Versatile Simulator for Training and Research R.F.Hansford	43
<u>Session III</u>	
Possibilities for Solving Visual Problems in Navigation and Ship Simulators H. Grapentin	48
The Capability of Computer Generated Imagery for Marine Simulators J.B.R. Horne	52
Experience To Date with Main Machinery Simulators N.J.Locke	57
Simulator Research into Navigation Lighting Systems for a Port Approach C.H.Carter and R.B.Richardson	61
<u>Session IV</u>	
Application and Training Experience with Marine Simulators at TNO Delft B.W. Jaspers and W. de Joode	64
Evaluation of Bridge Layout by Means of Dynamic Simulation H. Schuffel, C.L. Truijens and A. Lazet	69

	Page
<u>Session IV (continued)</u>	
Derivation and Training Objectives, Subsequent Experiences and Future Developments of the Southampton Ship Simulator C.N.Phelan, M. Longman, R. Beadon and D. Douglas	72
Training Methods and Equipment at Port Revel J. Rolland and J. Sommet	77
<u>Session V</u>	
Simultaneous Simulation of Two Ships F.G.J. Witt	87
The SSPA Manoeuvring Simulator as a Tool for Research and Training P. Tragardh	90
<u>Session VI</u>	
CAORF Applications in Maritime Research D.M. Pollack, W.McIlroy and K.E.Williams	96
Ship Handling and Navigation Lights Simulators O. Willms and C. Marcus	99
The Results of Psychological Research concerning the Effectiveness of Training in Marine Simulators G. Bohm	106
<u>Session VII</u>	
A Simulator Assessment of Training Effectiveness J.S. Gardenier, S. Tenenbaum and T.J.Hammel	110
Simulator Studies from a Naval Architect's Point of View K. Nomoto	120
The Royal Netherlands Naval College Nocturnal Training Simulator for Navigators G.M.Veenman and I.W. Verhage	124
Forum Discussion: C.A.Rhodes	127
Concluding Remarks: C.A. Rhodes	137
Additional Paper: Ship Handling Simulator P. Martin	139

Discussion edited by D. Williams, F.N.I.