

International Conference on Marine and Offshore Composites 2010

**London, United Kingdom
3-4 February 2010**

ISBN: 978-1-61738-460-8

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© (2010) by The Royal Institution of Naval Architects
All rights reserved.

Printed by Curran Associates, Inc. (2010)

For permission requests, please contact The Royal Institution of Naval Architects]
at the address below.

The Royal Institution of Naval Architects
10 Upper Belgrave Street
London SW1X 8BQ UK

Phone: 44 207 235 4622
Fax: 44 207 259 5912

publications@rina.org.uk

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

TABLE OF CONTENTS

Application of Composites in Ships and Offshore - A Review and Outlook	1
<i>J R Weitzenbock, B Hayman, D McGeorge, P Noury, D M Hill, A Echtermeyer</i>	
Use of Carbon Fibre in High Speed Passenger Ferries.....	40
<i>M C Hakansson</i>	
A Taxonomy for Resin Infusion Processes.....	45
<i>J Summerscales</i>	
Towards Recyclable Composite Craft: Fusion Bonded Thermoplastic Composite T-Joints	74
<i>M E Otheguy, A G Gibson, A M Robinson</i>	
Effects of Zinc-based Compound on Degradation Behaviour and Smoke Production of Epoxy Matrix	117
<i>A. De Fenzo, C. Formicola, V. Antonucci, M. Zarrelli, M. Giordano</i>	
Development of Design Equations for Steel Sandwich Panel Construction.....	160
<i>A Martino, S J Kennedy, M A Brooking, Y Heo, M S Kim, H Ocakli</i>	
In-service Composite Integrity Monitoring System for Use in Maritime & Offshore Composite Structures	218
<i>B Walker, P Faulkner</i>	
In-Mould Gel Coating for Resin Transfer Moulding.....	263
<i>J Summerscales, C Hoppins, P Anstice, N Brooks, J Wiggers, D Yahatugoda, A Harper, C Wood, M Cooper</i>	
Concurrent Engineering Principles Applied to Marine Composite Structures for Reduction in Production Costs Through Robust Design	294
<i>A J Sobey, J I R Blake, R A Sheno, A Waddams</i>	
ISO TC 8/SC 12/WG 2 Large Yacht Safety	329
<i>R Curry</i>	
FRP-Sandwich Vessels for the Swedish Navy.....	343
<i>Anders Lonno</i>	
Author Index	