

Damaged Ship V

London, United Kingdom
11 March 2020

ISBN: 978-1-7138-0865-7

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© (2020) by The Royal Institution of Naval Architects
All rights reserved.

Printed with permission by Curran Associates, Inc. (2020)

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

The Royal Institution of Naval Architects
8-9 Northumberland Street
London, WC2N 5DA
United Kingdom

Phone: 020 7235 4622
Fax: 020 7259 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: 845-758-2633
Email: curran@proceedings.com
Web: www.proceedings.com

CONTENTS

SOLAS 2020 DAMAGE STABILITY AND BEYOND	71
<i>K. W. Hutchinson, Safinah Group, UK</i>	
<i>A. L. Scott, Maritime and Coastguard Agency, UK</i>	
STABILITY CONSIDERATIONS FOR OFFSHORE TRANSPORTATION VESSELS	1
<i>A.P. Crowle, McDermott, UK</i>	
DAMAGE PREDICTION ON STIFFENED STRUCTURES BY USING PERIDYNAMICS	11
<i>C. T. Nguyen, S. Oterkus, University of Strathclyde, UK</i>	
ULTIMATE STRENGTH PERFORMANCE OF A DAMAGED CONTAINER SHIP	17
<i>S. Li, Z.Q. Hu & S.D. Benson, Newcastle University, UK</i>	
TANKER DAMAGE STABILITY: HISTORICAL PROBLEMS AND CURRENT SOLUTIONS	31
<i>K. W. Hutchinson, Safinah Group, UK</i>	
<i>A. L. Scott, Maritime and Coastguard Agency, UK</i>	
PAST, PRESENT AND FUTURE OF DAMAGE STABILITY CALCULATIONS	47
<i>R. Pérez, SENER Ingeniería y Sistemas, Spain</i>	
THE DIGITALIZATION OF NAVIGATION: EXAMINING THE ACCIDENT AND AFTERMATH OF US NAVY DESTROYER JOHN S. MCCAIN	55
<i>S. C. Mallam, University of South-Eastern Norway, Norway</i>	
<i>K. Nordby, The Oslo School of Architecture and Design, Norway</i>	
<i>S. O. Johnsen, SINTEF Digital, Norway</i>	
<i>F. B. Bjørneseth, Norwegian University of Science and Technology; Kongsberg Maritime CM AS, Norway</i>	
IF YOU DOUBT THE VALUE OF SAFETY, TRY AN ACCIDENT	65
<i>D. Vassalos and D. Paterson, University of Strathclyde, UK</i>	