

OSV Singapore 2011

P2011-11-CONTENTS

Proceedings of the 4th International Conference on

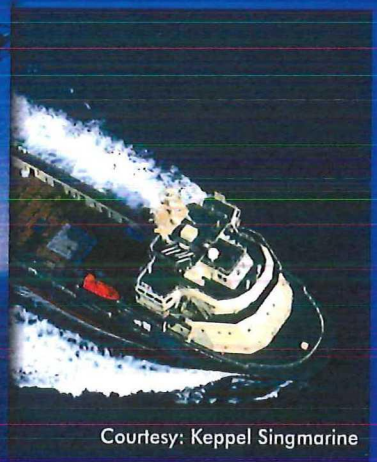
TECHNOLOGY AND OPERATION OF OFFSHORE SUPPORT VESSELS



Courtesy: Otto Marine



Courtesy: Wartsila



Courtesy: Keppel Singmarine



Courtesy: Keppel Singmarine

Editors

**Arun Kr. Dev
Seref Aksu**

Organisers



P2011-11

OSV Singapore 2011

Proceedings of the 4th International Conference on Technology and Operation of Offshore Support Vessels

Editors

Arun Kr. Dev

Seref Aksu



Day 1 — Monday, 15 August 2011

18:00–20:00 **Pre-Conference Welcome Reception**
Mercury III, Level 5
Furama RiverFront Hotel
405 Havelock Road
Singapore 169633

Day 2 — Tuesday, 16 August 2011

08:15–09:00	Registration and Welcome Coffee/Tea	
09:00–10:00	<p>Opening Ceremony</p> <p>Opening Address by James Ashworth <i>Chairman, The Joint Branch of RINA and IMarEST, Singapore</i></p> <p>Welcome Address by Tan Kim Pong <i>Chairman, The Organizing Committee of “OSV Singapore 2011”</i></p> <p>Opening of Technical Stream by Arun Kr. Dev <i>Director, Newcastle University Marine International (NUMI) — Singapore</i></p> <p>Keynote Paper: Cavitation Erosion Dynamics: Some Observations <i>John Carlton, City University, London, UK</i></p>	1
10:00–10:30	Tea/Coffee Break	
10:30–11:10	<p>A Most Complex and Technologically Advanced Vessel <i>B. H. Wong, EMAS/Ezraholdings, Singapore</i></p>	10
11:10–11:50	<p>System Design and Handling of Liquid Chemicals in Bulk on OSVs <i>Anders Eide, PG Marine, Norway</i></p>	21
11:50–12:30	<p>Use of Liquid Natural Gas (LNG) as Fuel in Offshore Supply Vessels <i>Terje Nordtun, Wartsila Ship Power Offshore, Norway</i></p>	28
12:30–13:30	Lunch Break	
13:30–14:10	<p>New Generation Deep Water OSVs for Oil and Gas Operation <i>Tan Cheng Hui and Au Yeong Kin Ho Keppel Singmarine, Singapore</i></p>	38
14:10–14:50	<p>A 500 Tons AHT Winch with ECO-Pull Drive Technology <i>Alexander Nürnberg Hatlapa Marine Equipment, Germany</i></p>	43
14:50–15:20	Tea/Coffee Break	

15:20–16:00	Regulatory Developments and Their Practical Implementation in Today's Rapidly Developing OSV and TUG Markets <i>Gijsbert de Jong, Bureau Veritas, France and Unni Krishnan, Bureau Veritas, Singapore</i>	52
16:00–16:40	Environmental Forces for Dynamic Positioning: Ships vs. Semi-Submersibles <i>Arun Kr. Dev, Newcastle University Marine International (NUMI) — Singapore</i>	64
16:40	End of Day 2	
18:00	Cocktail Reception	
19:00	Conference Banquet Dinner	