

<b>1</b>	<b>Introduction . . . . .</b>	<b>1</b>	49
	Paul Tae-Woo Lee and Zaili Yang		50
<b>2</b>	<b>A Discourse of Multi-criteria Decision Making (MCDM)</b>		51
	<b>Approaches . . . . .</b>	<b>7</b>	52
	Zhuohua Qu, Chengpeng Wan, Zaili Yang, and Paul Tae-Woo Lee		53
<b>3</b>	<b>Analytic Hierarchy Process (AHP) in Maritime Logistics:</b>		54
	<b>Theory, Application and Fuzzy Set Integration . . . . .</b>	<b>31</b>	55
	Emrah Bulut and Okan Duru		56
<b>4</b>	<b>Identification of Success Factors for Green Shipping</b>		57
	<b>with Measurement of Greenness Based on ANP and ISM . . . . .</b>	<b>79</b>	58
	Jingzheng Ren, Marie Lützen, and Hanna Barbara Rasmussen		59
<b>5</b>	<b>Use of Fuzzy Evidential Reasoning for Vessel Selection</b>		60
	<b>Under Uncertainty . . . . .</b>	<b>105</b>	61
	Zaili Yang, Lefteris Maistralis, Stephen Bonsall, and Jin Wang		62
<b>6</b>	<b>Probabilistic Assessment of Vessel Collision Risk:</b>		63
	<b>An Evidential Reasoning and Artificial Potential</b>		64
	<b>Field-Based Method . . . . .</b>	<b>123</b>	65
	Feng Ma and Yu-wang Chen		66
<b>7</b>	<b>Incorporating AHP and Evidential Reasoning</b>		67
	<b>for Quantitative Evaluation of Inland Port Performance . . . . .</b>	<b>151</b>	68
	Chengpeng Wan, Di Zhang, and Hang Fang		69
<b>8</b>	<b>Robust Evaluation of Risks in Ship-to-Ship Transfer Operations:</b>		70
	<b>Application of the STOCHASTIC UTA Multicriteria Decision</b>		71
	<b>Support Method . . . . .</b>	<b>175</b>	72
	Dimitrios I. Stavrou, Eleftherios Y. Siskos, Nikolaos P. Ventikos,		73
	and John E. Psarras		74

75	<b>9 Financial Performance Evaluation of Shipping Companies</b>	
76	<b>Using Entropy and Grey Relation Analysis . . . . .</b>	219
77	Paul Tae-Woo Lee, Cheng-Wei Lin, and Sung-Ho Shin	
78	<b>10 The Use of the Hybrid Fuzzy-Delphi-TOPSIS Approach</b>	
79	<b>in Identifying Optimal Bunkering Ports for Shipping Lines . . . . .</b>	249
80	Ying Wang, Gi-Tae Yeo, and Adolf K.Y. Ng	
81	<b>11 Modern Heuristics of MCDM for the Operation Optimization</b>	
82	<b>in Container Terminals . . . . .</b>	271
83	Zhihong Jin, Na Li, Qi Xu, and Zhan Bian	
84	<b>12 Modelling Interdependency Among Attributes in MCDM:</b>	
85	<b>Its Application in Port Performance Measurement . . . . .</b>	323
86	Min-Ho Ha and Zaili Yang	
87		
88		
89	<b>Index . . . . .</b>	355

**Paul Tae-Woo Lee** is a Professor at School of Business IT and Logistics and 91  
Leader of The One Belt and One Road Research Lab in RMIT University in 92  
Australia. He received his PhD from Cardiff University in the UK. He was a 93  
Visiting Scholar at, among others, the Faculty of Economics and Politics in 94  
Cambridge, University of Plymouth, Hong Kong Polytechnic University, and 95  
Dalian Maritime University. His research interests include maritime economics 96  
and maritime logistics. He is Editor-in-Chief of *Journal of International of Logis-* 97  
*tics and Trade* and an Associate Editor of *Transportation Research Part E* and 98  
*Journal of Shipping and Trade*. 99

**Zaili Yang** is a Professor of Maritime Transport at Liverpool John Moores Uni- 101  
versity (LJMU), UK. His research interests are system safety, security and risk- 102  
based decision making modelling, especially their applications in marine and 103  
supply chain systems. His research findings have been published in more than 104  
170 refereed papers in risk and supply chain areas, including over 80 (60 SCI/ 105  
SSCI-cited) journal papers. He is an editorial board member of *Transportation* 106  
*Research Part E: Logistics and Transport Review* and an associate editor of *IAM* 107  
*Journal of Management Mathematics*. 108

Climate Change in the Himalayas

Pant, G.B.; Pradeep Kumar, P.; Revadekar, J.V.; Singh,  
N.

2018, XIII, 145 p. 53 illus., 39 illus. in color., Hardcover

ISBN: 978-3-319-61653-7