The Royal Institution of Naval Architects
Marine Industry 4.0
5th November, Rotterdam, The Netherlands

Tuesday 5th November		
9:00 – 9:30	**Coffee and Registration**	
9:30 – 10:05	***Practical Guide for Adopting Industry 4.0 in CAD Systems*** *R. Pérez, SENER, Spain*	SESSION 1
10:05 – 10:40	***Living on the Edge - a New Paradigm for Remote Monitoring of Vessels and Marine Equipment*** *K. Rau, Flicq Inc, USA*	
10:40 – 11:10	**Coffee**	
11:10 – 11:45	**One Sea - on the road towards an autonomous maritime transport system** P. Haikkola	
11:45 – 12:20	**Combining unmanned aerial vehicles (UAV) and 3D mapping of port infrastructures – an approach for security and risk management in high competitive transport environments** *M. Stein, Stein Maritime Consulting, Germany*	
12:20- 12:25	**CDP Studio Sponsor Presentation**	
12:25 – 13:30	**Lunch**	
13:30 – 14:05	**The Challenges and Opportunities for Developing Digital Twins to support Marine Operations** S. Willmore and J. Rigby, BMT, UK	SESSION 2
14:05 – 14:40	**Classifying bow entry events of wave piercing catamarans in random waves using unsupervised learning** *B. Shabani, University of Tasmania, Australia*	
14:40 – 15:00	**Coffee**	
15:00 – 15:35	**Future Workforce and Training in the Fourth Maritime Revolution** *R. Westgarth and S. Harmer, BMT, UK*	
15:35 - 16:10	**IConIC – the autonomous health monitoring system** *D. Garrity, STS Defence Ltd, UK*	
	General Discussion	

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