



18 <sup>th</sup> April 2018		Day 1 - Session 1
09.00-09.25	Coffee and Registration	
09.25-09.30	Welcome address	
09.30-10.00	<b>Structural Analysis of Composite Search and Rescue Vessel Under the New BS EN ISO 12215-5</b> <i>Jean-Baptiste R.G. Souppiez, Southampton Solent University, UK</i>	
10.00-10.30	<b>Design Verification Framework for Search &amp; Rescue Craft</b> <i>H J Phillips, M Pitman, M Boulton, Royal National Lifeboat Institution, UK</i> <i>Hans van der Molen, Koninklijke Nederlandse Redding Maatschappig, Netherlands</i> <i>Klaus Stromenger, K&amp;S Maritiem Technisch Bureau, Netherlands</i>	
10.30-11.00	<b>Noise, Vibration, and Repeated Shock Exposure on High Speed Craft: Measurement, Mitigation, Preventative Design.</b> <i>Phill Moxley, Thomas Coe, Frazer-Nash Consultancy, UK</i>	
11.00-11.30	Coffee	
11.30-12.00	<b>Full-Scale Seakeeping Trials of an All-Weather Lifeboat</b> <i>F Prini, S Benson, R W Birmingham and R S Dow, Marine Offshore and Subsea Technology Group, School of Engineering, Newcastle University, UK</i> <i>L J Ferguson, P J Sheppard and H J Phillips, Royal National Lifeboat Institution, UK</i> <i>M C Johnson, J Mediavilla Varas<sup>†</sup> and S Hirdaris*, Lloyd's Register, UK</i> <i>(<sup>†</sup>work initiated whilst at Lloyd's Register. Now at Materials Innovation Institute, NL)</i> <i>(*work initiated whilst at Lloyd's Register. Now Visiting Research Scholar at Maritime Technology Group, Department of Mechanical Engineering, Aalto University, FI)</i>	
12.00-12.30	<b>Rescue boats on Catamaran Platform: Case Studies</b> <i>Albert Nazarov, Albatross Marine Design, Thailand</i>	
12.30-13.00	<b>Numerical Investigation of Double Continuous Welding and Alternatives in Bottom Shell Plates of Aluminium High-Speed, Mono-hull Craft.</b> <i>Vimal Kumar, Lloyd's Register, Singapore</i>	
13.00-14.00	Lunch	Day 1 - Session 2
14.00-14.30	<b>A Modular Search and Surveillance SES Platform to Support Port and Harbour Security in the Future Megacities of 2050</b> <i>Sean McCartan, EBDIG-IRC, Coventry University, UK</i> <i>J Hill, Trident Marine, UK</i> <i>T H Espeland ESNA AS, Norway</i> <i>Trevor Dobbins, STRResearch, UK</i>	
14.30-15.00	<b>The Application of Unmanned Marine Vehicles to Maritime Search and Rescue</b> <i>J Dalziel, R Pelot, Dalhousie University, Canada</i>	

The Royal Institution of Naval Architects

***SURV9 - Surveillance, Search and Rescue Craft***

18 April 2018, London, UK



15.00-15.30	<b>A large Unmanned Vessel Concept for Remote &amp; Autonomous Surveillance, Search and Rescue Operations</b> <i>Harry Turner, Edward Wright, Rolls Royce, UK</i>	
<b>15.30-16.00</b>	<b>Coffee</b>	
16.00-16.30	<b>Marine Propulsion Shafting Configurations</b> <i>Mohamed Zeid, Caterpillar Propulsion, Sweden</i>	
16.30-17.00	<b>Understanding Engine Power Characteristics and Their Effects on Vessel Performance and Engine Reliability in Low Hour, High Load, RNLI SAR Lifeboat Applications</b> <i>Spencer Johns, Royal National Lifeboat Institution, UK</i>	
<b>17.00-</b>	<b>General Discussion</b>	