The Royal Institution of Naval Architects

Smart Ship Technology 2018

23 - 24 January 2018, London, UK

23rd January 2018		
09.00-09.25	**Coffee and Registration**	
09.25-09.30	**Welcome address**	Day 1 - Session 1
09.30-10.00	**Making Smart Technology Work in a Harsh Commercial Enviroment** by *Martin Stopford, Clarkson Research, Uk*	
10.00-10.30	**Exploiting Machine Learning for Parameter Forecasting and Ship Systems Anomaly Detection** by *C Gkerekos, I Lazakis & G Theotokatos, University of Strathclyde, UK*	
10.30-11.00	**On-board Monitoring Data Analysis Based on Kernel Regression Model: Analysis of Shaft Power Component** by *M Minoura, Osaka University, Japan*	
11.00-11.30	**Coffee**	
11.30-12.00	**Ship Machinery Fuzzy Condition Based Maintenance** by *M F Cheliotis, University of Strathclyde, UK*	
12.00-12.30	**The Path to Real World Autonomy for Autonomous Surface Vehicles** by *D Hook, Senior Director – Business Development, ASV Global, UK*	
12.30-13.30	**Lunch**	
13.30-14.00	**Implementing unsupervised learning algorithm for marine engine data clustering applications** by *Y Raptodimos and I Lazakis, University of Strathclyde, UK*	Day 1 - Session 2
14.00-14.30	**User Interface for Big Data Analytics in Shipping** by *K Seek, SeaPlus InfoNautics Pte Ltd, Singapore*	
14.30-15.00	**Gaming Technologies; Are We on the Brink of a New Age of Human Interaction with Naval Ships?** by *N Mitchell, BAE Systems Submarines, UK*	
15.00-15.30	**Coffee**	
15.30-16.00	**A Holistic Decision Support Tool for Risk-Informed Fatigue Design, Inspection and Maintenance** by *Guang Zou, Lloyd's Register, UK*	

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16.00-16.30	**Autonomous Marine Navigation in GNSS Denied Environments** by *M Carter, Sonardyne International Ltd, UK*	
16.30-	**General Discussion followed by drinks reception**	

24th January 2018		
09.00-09.30	**Coffee and Registration**	
09.30-10.00	**Data Management for Smart Ship or How to Reduce Machine Learning Cost in IoS Apllications** by *Rodrigo Perez, Arturo Benayas & Francisco Perez-Arribas, Universidad Politecnica de Madrid, Spain*	Day 2 - Session 1
10.00-10.30	**No time for downtime** by *I Kelsall 3M UK Plc, UK*	
10:30-11:00	**Riding the Wave of IoT: Strengthening Regulations, Improvising Safety and Implementing Safeship,** by *Adrian Saw***,** *Coltraco Ultrasonics, UK*	
11.00-11.30	**Coffee**	
11.30-12.00	**Preliminary Design of Maritime Energy Management System: Naval Architectural Approach to Resolve Current Limitations** by *Seyong Jeong,Donghoon Jeong, Jinmo Park, Jinhyoun Park, Boram Kim, and Kyoungsoo Ahn, Hyundai Maritime Research Institute, South Korea*	
12.00-12.30	**Automated/Controlled Storage for an Efficient MBOM Process in the Shipbuilding Managing the IoT Technology** by *Arturo Benayas Ayuso and Rodrigo Perez Fernandez, Universidad Politécnica de Madrid, Spain*	
12.30-13.30	**Lunch**	
-	**General Discussion**	