

CONFERENCE PROGRAMME & SYNOPSIS



inec@ IMDEX ASIA

17-18 MAY 2017

Changi Exhibition Centre, Singapore

Robust Designs,
Flexible Capabilities

Co-Organised By:

experia
events that influence



Supported By:



www.imdexasia.com/inec-imdexasia.html

PROGRAMME

WEDNESDAY 17 MAY 2017

PLENARY OPENING SESSION

0900Hrs	Registration
0930Hrs	Keynote Address Mr Ng Chee Khern , Permanent Secretary (Defence Development), MINDEF
0950Hrs	Plenary Speaker 1 Rear Admiral Andreas Olsson , Special Advisor, Swedish Ministry of Defence
1010Hrs	Plenary Speaker 2 Mr Tan Peng Yam , Chief Executive, Defence Science and Technology Agency
1030Hrs	Tea Break
1050Hrs	Plenary Speaker 3 Rear Admiral Pasquale De Candia , Head of Ship Design and Combat Systems Department, Italian Navy
1110Hrs	Plenary Speaker 4 Mr Chew Men Leong , Deputy President & President (Defence Business), ST Marine
1130Hrs	Plenary Speaker 5 Professor Chris Hodge OBE FREng , President, IMarEST
1150Hrs	Visit Exhibition
1245Hrs	Lunch
1345Hrs	Welcome Remarks by Mr Frank Mungo, IMarEST
1350Hrs	Modern Integrated Port and Maritime Security Mr Dallas Meggitt , Sound & Sea Technology
1410Hrs	Enhancing Maritime Security Through Data Analytics Mr Lim Ching Wu Leslie, Mr Tan Chin Koon Adams, Mr Kang Shian Chin, Ms Ho Cheeng Tse , DSTA
1430Hrs	Designing The Support – Designing the LMV ME5 Tang Chee Meng , RSN
1450Hrs	Maritime Collision Detection & Advisory System Mr Chan Chee Wai , Singapore Technologies Electronics Limited
1510Hrs	A New Class of Patrol Vessel Mr Chong Sim Chee , Singapore Technologies Marine Ltd
1530Hrs	Questions and Answers
1545Hrs	End of Plenary Technical Session by Professor Chris Hodge OBE FREng, President, IMarEST
1600Hrs	Visit to Littoral Mission Vessel – Depart from Changi Exhibition Centre to Changi Naval Base
1630Hrs	LMV Visit
1745Hrs	End of visit and depart for MRT station

THURSDAY 18 MAY 2017

TECHNICAL SESSION

	TRACK 1 – Multiplying Effect (Moderated by Mr Goh Yong Han, DSTA)	TRACK 2 – Flexible Platforms (Moderated by Mr Frank Mungo, IMarEST)
0930Hrs	Welcome Remarks	
0935Hrs	Microwave-photonics architecture for direction finding of LPI emitters ME6 Eric Tan, RSN & Mr Ong Chee Kiong , DSTA	Deconstructing the Propulsion Conundrum Mr John Buckingham , BMT Defence Services Limited
1000Hrs	Towards cyber security readiness in the maritime industry Dr Mick Thurlbeck , Stapleton International	Operation In Extreme Environments; The case for Robust Design at Build Mr Patrick Clissold , Babcock International

PROGRAMME

THURSDAY 18 MAY 2017

TECHNICAL SESSION – CONTINUED

TRACK 1 – Underwater Technology		TRACK 2 – Flexible Platforms
1025Hrs	Effects of Internal Waves on Sound propagation in the Shallow Waters of the Continental Shelves ME6 Ong Ming Yi , Republic of Singapore Navy	The enabler MT7 Marine Gas Turbine certified for the enhanced mission on LCAC and fast attack craft Mr Sangpil Lim , Rolls-Royce Marine Korea
TRACK 1 – Underwater Technology		
1050Hrs	Approach to Deliver a Safe Type 218SG Submarine ME6 Terence Ong, Mr Chee Yang, Mr Ong Li Koon, Mr Chee Yu Ming , DSTA	Performance Analyses and optimisation of Energy Recovery Systems for Marine Applications CDR OM Prakash Sharma, Mr S C Kaushik, Mr K Manjunath , Centre for Energy Studies
1115Hrs	Questions and Answers	
1130Hrs	Coffee Break	
1150Hrs	Development of Unmanned Systems for Mine Countermeasures for the Republic of Singapore Navy Mr Goh Yong Han , DSTA	Adaptive automation to maximise warship capabilities during incident Mr E.J. Middeldorp & Mr R. Wouters, LT CDR Frans Geertsma & IR. N.A. Badon Ghijben , RH Marine
1215Hrs	JFD's 3rd Generation Flyaway Submarine Rescue System Dr Greg Cotten , JFD Ltd - United Kingdom	A systematic comparison of the influence of the hull vane interceptors, trim wedges, and ballasting on the performance of the 50m Amerc Series #13 Patrol Vessel Mr Bruno Bouckaert , Hull Vane BV
1240Hrs	Questions and Answers	
1255Hrs	Lunch	
TRACK 1 – Effective Support Solutions		
1355Hrs	Moving from planned to condition based maintenance Mr SJ Cort , GE Power Conversion, Rugby, UK	Meeting the design concept: The integration challenges of advanced hybrid systems Mr Oliver Simmonds , GE Power Conversion, Rugby, UK
1420Hrs	Service Life Evaluation Program (SLEP) Mr. Jihed Boulares Mr. Sharat Valluri, Mr. Eric Norris , American Bureau of Shipping	Ideal Applications for Marine Hybrid DC Electrical Systems on Naval Vessels Mr Lui Chih Wei , American Bureau of Shipping
1445Hrs	Advanced Application of Emulsified Fuel Technology Dr Jerry Ng KL , Blue Ocean Solutions, Keppel	Study of unbalanced load for electro-mechanical propulsion on electric ships Mr Ayu Aaron Alexander , Rolls Royce@NTU Corporate Lab
1510Hrs		Use of Modelling and Simulation for Optimal Naval Ship Electrical System Design Mr Gary Wilson , Rolls-Royce
1535Hrs	Questions and Answers	
1550Hrs	Closing Remarks by Professor Chris Hodge OBE FREng, President IMarEST	
1605Hrs	End of Programme	
1800Hrs	Cocktail Reception Prior Registration Required	

Please note that this programme and timing may be subject to change