



The Royal Institution of Naval Architects

Design & Construction of LNG Ships

26-27 October 2016, London, UK

Wednesday 26th October	
09.00-09.25	Coffee and Registration.
09.25-09.30	Welcome address
09.30-10.05	LIQUEFIED GAS SHIPPING IN THE 21ST CENTURY Andrew Clifton, General Manager, SIGTTO, UK
10.05-10.40	FLOATING LNG – DESIGN DRIVERS AND TECHNICAL CHALLENGES Keith W Hutchinson, David C Dobson, Babcock International Group, Marine and Technology – Energy and Marine Technology, UK
10.40-11.15	LNG AS FUEL PROJECTS – NEW BUILDS AND CONVERSIONS Carlos Guerrero, Bureau Veritas Marine & Offshore, France
11.15-11.45	Coffee
11.45-12.20	UNCONVENTIONAL INLAND LNG CARRIER DESIGN FOR THE RIVER DANUBE Milan Kalajdžić, Darko Bobić, University of Belgrade, Serbia
12.20-12.55	DESIGN & CLASSIFICATION OF IMABARI 178,000M3 LNG TANKERS Hisatsugu Inoue , Taichi Nakatani , Imabari Shipbuilding, Japan Kazuaki Yuasa , Henry Chung , Lloyd’s Register, Japan
12.55-13.55	Lunch
13.55-14.30	SAFETY AND INNOVATION FOR LNG CARRIERS Carlos GUERRERO, Bureau Veritas Marine & Offshore Division, France
14.30-15.05	LNG AS FUEL CONTAINER VESSELS WITH MEMBRANE SYSTEMS T Clément, P Charbonnier and M O Quéméré, GTT, France
15.05-15.35	Coffee
15.35-16.10	SPECTRAL FATIGUE ANALYSIS OF A LIQUEFIED NATURAL GAS CARRIER STRUCTURAL DETAIL N. Vladimir, University of Zagreb, Croatia Š. Malenica, J. De Lauzon, Bureau Veritas, France B.K. Choi, H.I. Im, Hyundai Heavy Industries, Hyundai Heavy Industries Co., Ltd., Korea
16.10-16.45	THE INFLUENCE OF LIQUID CARGO IN FLNG MOTION Makoto Arai, Yokohama National University , Japan Akira Nakashima, Yokohama National University, Japan, JGC Corporation, Japan Tsuyoshi Kawahashi, Yokohama National University, Japan Kazuo Nishimoto, Chen Liang Yee, University of Sao Paulo, Av. Prof. Mello Moraes, Cidade Universitária, Brazil Xin Wang, Newcastle University, Singapore
16.45-	General Discussion & Evening Drinks Reception

Session 1

Session 2



The Royal Institution of Naval Architects

Design & Construction of LNG Ships

26-27 October 2016, London, UK

Thursday 27 th October	
09.00-09.30	Coffee and Registration.
09.30-10.05	LNG CARRIERS AND PORT DESIGN Alan Crowle , CB&I, UK
10.05-10.40	LNG BUNKERING SOLUTION FOR THE SAMSØ FERRY Anders Bjoern, Kosan Crisplant, Denmark
10.40-11.10	Coffee
11.10-11.45	LNG SHIP MK III CARGO CONTAINMENT SYSTEMS – TESTING AND INTERPRETATION OF RESULTS, IN-SERVICE, FOR SECONDARY BARRIERS John R Maguire, FRINA (Independent Consultant), UK
11.45-12.20	AN ECONOMIC STUDY OF LNG CARRIERS WITH DIFFERENT CONTAINMENT SYSTEMS ON SPECIFIC TRADE ROUTES Thomas Lamb, University of Michigan; Regu Ramoo, ALTAIR Engineering, Inc., USA
12.20-13.20	Lunch
13.20-13.55	RE-THINKING LNG TRANSFER SYSTEMS USING CRYOGENIC FLEXIBLE HOSES Vincent Lagarrigue, Trelleborg Oil & Marine, Sweden
13.55-14.30	THE OPTIMUM CONFIGURATION OF A SELF-SUPPORTING TYBE B LNG TANK USING ADVANCED STRUCTURAL ANALYSIS AND SIMULATION TOOLS. Regu Ramoo and Ban-Wee Eng, ALTAIR Engineering, USA
14.30-15.05	DEVELOPMENTS IN SOLID STATE FRICTION STIR WELDING FOR LNG SHIPPING Stephen Cater, J Martin, TWI Technology Centre (Yorkshire), UK
15.05-	General Discussion

Keith Hutchinson – Babcock International, UK

Alan Crowle – CB&I, UK