

The Royal Institution of Naval Architects

ICSOT Korea: Safety of Offshore and Subsea Structures in Extreme and Accidental Conditions

15-16 September 2015, Nongshim Hotel, Busan, Korea







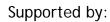
	Tuesday 15 th September 2015	
08.30-08.55	Coffee and Registration.	
08.55-09.00	Welcome Address- Trevor Blakeley, The Royal Institution of Naval Architects, UK	
09.00-09.30	Keynote- NOVEL MATERIALS FOR OFFSHORE AND SUBSEA STRUCTURES: SAFETY IMPLICATIONS, by Prof Igor Guz, University of Aberdeen, UK	
09.30-10.00	REDUCING PROJECT RISKS AND DELAYS IN INTERNATIONAL OFFSHORE PROJECTS, Petter Ellingsen, DNV GL, Korea	
10.00-10.30	THE TRANSITION OF ADVANCED RISK AND SAFETY CAPABILITY TO THE OFFSHORE INDUSTRY, John Waltham-Sajdak, Alion Science and Technology, USA	I Guz
10.30-11.00	TEST FACILITIES FOR SAFETY STUDIES OF SHIPS AND OFFSHORE STRUCTURES ASSOCIATED WITH EXTREME AND ACCIDENTAL CONDITIONS, Jeom Kee Paik, Jung Kwan Seo, KOSORI, Korea	
11.00-11.30	Coffee	
11.30-12.00	THE CHIRP AND MARS CONFIDENTIAL REPORTING SCHEMES, Alan Loynd, Branscombe Marine Consultants, Hong Kong	
12.00-12.30	THE NEW METHODOLOGY OF FMEA FOR PROCESS INDUSTRY Jinhyung Park, Yokogawa Electric Korea, South Korea	W Yang
12.30-13.00	PHYSIOLOGICAL COMPUTING FOR MARITIME ERGONOMICS APPLICATIONS, Yanbin Wu, T. Miwa, M. Uchida, Kobe University, Japan	g
13.00-14.00	Lunch	
14.00-14.30	THE INTEGRATION ON HUMAN FACTORS PRINCIPLES WITH THE DEVELOPMENT AND QUALITY ASSURANCE PROCESS OF INTEGRATED SOFTWARE DEPENDENT SYSTEMS, Saara Keränen, DNV GL, Korea	
14.30-15.00	IMPLEMENTATION OF RISK AND WORKING ENVIRONMENT ANALYSES FOR OFFSHORE INSTALLATIONS ON THE NORWEGIAN CONTINENTAL SHELF, Kyung Won Yang, DNV GL Oil & Gas, Korea	J H Park
15.00-15.30	STUDY ON WORKLOAD MEASUREMENTS AT THE MARINE ENGINEERING EDUCATION UNDER THE MARINE ENGINE SIMULATOR ENVIRONMENT, Takashi Miwa, K. Shimamoto, Y. Wu, M. Uchida, Kobe University, Japan; M. Nakamura, Yuge National College of Maritime Technology, Japan	T k
15.30-16.00	Coffee	
16.00-16.30	ULTIMATE STRENGTH PERFORMANCE OF COMMERCIAL SHIPS ON ARCTIC OCEAN Dae Kyeom Park ¹ , Y.C. Ha ¹ , B.J. Kim ¹ , J.K. Seo ¹ and J.K. Paik ^{1,2} , 1The Korea Ship and Offshore Research Institute (The Lloyd's Register Foundation Research Centre of Excellence), Pusan National University, Busan, Korea. 2Department of Mechanical Engineering, University College London, London, UK.	Ses
16.30-17.00	PREDICTING OF ICE SCOUR LOADS AND RATE EFFECT EVALUATION FROM SMALL SCALE 1G TESTS, S. Arnau, Ana Ivanović, University of Aberdeen, UK	Session 4
17.00-17.30	PRESSURE-IMPULSE DIAGRAM FOR PREDICTION OF STRUCTURAL DAMAGE TO LNG FPSO TANKS UNDER SLOSHING IMPACT LOADS, Sang Eui Lee, B.J. Kim, J.K. Seo, Y.C. Ha, J.K. Paik, KOSORI, Korea; T. Matsumoto, ClassNK, Japan; S. H. Byeon, STX Offshore and Shipbuilding, Korea	



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Wednesday 16 th September 2015		
08.30-09.00	Coffee and Registration.	
09.00-09.30	DETERMINATION OF FIRE ACCIDENTAL LOADS FOR ALUMINIUM SAFETY HELIDECKS, J.K. Seo, Sang Jin Kim, B.J. Kim, J.K. Paik, KOSORI, Korea; W.H. Shin, NK Co. Ltd, Korea; J.S. Park, Samsung Heavy Industries, Korea	
09.30-10.00	WINTERIZATION DESIGN OF ALUMINIUM HELIDECK IN ARCTIC ENVIRONMENT, So Young Bae, G.H. Kang, KOMERI, Korea; J.S. Park, Samsung Heavy Industries, Korea; W.H. Shin, NK Co. Ltd, Korea; J.K. Seo, KOSORI, Korea	J K Seo
10.00-10.30	ALUMINIUM HELIDECK DESIGN FOR EUROCODE9 WITH DEFORMATION BASED DESIGN, Joo Shin Park, Y.S. Ha, C.W. Lee, K.B. Jang, Samsung Heavy Industries, Korea	
10.30-11.00	A METHOD TO CALCULATE LEVEL ICE LOADS ON MULTI LEGGED CONICAL STRUCTURES, Jose M. Cabrera and J.K. Paik, Department of Naval Architecture and Ocean Engineering; The Korea Ship and Offshore Research Institute (Lloyd's Register Foundation Research Centre of Excellence), Pusan National University, Busan	
11.00-11.30	Coffee	
11.30-12.00	AN INVESTIGATION ON OFFSHORE HELIDECK TURBULENCE ASSESSMENT METHODS, Sang In Park, M.H. Kim, H.R. Chi, J.B. Lee, S.M. Kwon and Y.S. Hwang, Daewoo Shipbuilding & Marine Engineering, Co. Ltd., Korea	
12.00-12.30	NONLINEAR STRUCTURAL RESPONSE ANALYSIS OF BLAST WALLS OF OFFSHORE INSTALLATIONS IN EXPLOSIONS, Jung Min Sohn, Pukyeong National University, Korea	J K Seo
12.30-13.00	COLLAPSE MODES OF FLEXIBLE PIPES UNDER EXTERNAL PRESSURE, Y. Bai, Shuai Yuan, P. Cheng, Zhejiang University, China	
13.00-14.00	Lunch	
14.00-14.30	PRESCREENING OF OCEAN ENVIRONMENT FOR THE PREDICTION OF EXTREME TENSION LOADS ON OFFSHORE STRUCTURES, Dong Hyum Lim, T. Y. Kim, Y.H. Kim, Seoul National University, Korea	
14.30-15.00	SHOCK RESPONSE ANALYSIS OF BLAST HARDENED BULKHEAD IN NAVAL SHIP UNDER INTERNAL BLAST, Sang Gap Lee, Korea Maritime and Ocean University, Korea	Session
15.00-15.30	SENSITIVITY ANALYSIS OF WTIV LEG DESIGN CONSIDERING SOIL CHARACTERISTICS FOR KOREA WEST-SOUTH OFFSHORE WIND ZONE, Tae Min Cho, J.S. Park, Y.S. Ha, J.H. Jeon, K.B. Jang, Samsung Heavy Industries, Korea	7
15.30-16.00	Coffee	
16.00-16.30	BETTER DESIGN OF HIGH INTEGRITY PRESSURE PROTECTION SYSTEMS (HIPPS), Jinhyung Park, Yokogawa Electric Korea, Korea	
16.30-17.00	M &S SYSTEM FOR MARINE ACCIDENT CAUSE INVESTIGATION USING FSI ANALYSIS TECHNIQUE, Sang Gap Lee, Korea Maritime and Ocean University, Korea	Session 8
17.00-17.30	General Discussion	- ∞