	DAY 1 - Tuesday 24th September		
	Track 1	**Track 2**	**Track 3**
08.30-09.30	**REGISTRATION & COFFEE**		
Chair	*Dr John Duncan, International Programme Committee*		
09.30-09.35	**FORMAL OPENING** *Mr Trevor Blakeley, Chief Executive, The Royal Institution of Naval Architects, UK*		
09.35-10.05	**KEYNOTE SPEECH** *Dr Hyun Soo Shin, Vice President, Hyundai Heavy Industries, KOREA*		
10.05-10.35	**KEYNOTE SPEECH** *Professor Tae-wan Kim, Department of Naval Architecture and Ocean Engineering, Seoul National University, KOREA*		
10.35-10.40	**Product Presentation by VIRTALIS**		
10.40-11.10	**COFFEE-** Sponsored by AVEVA		
Chair	*Joachim Brodda, Balance Technology Consulting, Germany*	*Kazuo Hiekata, University of Tokyo, Japan*	*Mitsuhiko Kidogawa, NIPPON, Japan*
11.10-11.45	**INTEGRATED 3D SHIP DESIGN AND INFORMATION MANAGEMENT,** *Matti Juntunen, Juha Asanti, NUPAS-CADMATIC, FINLAND*	**THE ROLE OF CLASSIFICATION SOCIETIES TOWARDS ADVANCES IN SOFTWARE DEVELOPMENT,** *Arjun Shetty, Bureau Veritas, INDIA*	**EFFECTS OF DIFFERENT CORROSION ADDITIONS ON ULTIMATE STRENGTH PERFORMANCE OF DOUBLE HULL OIL TANKERS,** *Chenguang Li, Xiaoming Zhang, Jung Kwan Seo, Bong Ju Kim, Jeom Kee Paik, Pusan National University, KOREA, Do Kyun Kim, Pohang University of Science and Technology, KOREA*
11.45-12.20	**AN EFFICIENT RETROFIT PLANNING WORKFLOW,** *Herrmann Loedding, Axel Friedewald, Fedor Titov, Hamburg University of Technology, GERMANY*	*AN ADVANCED SOLUTION FOR RECORDING, VISUALIZATION, AND ASSESSMENT OF THICKNESS MEASUREMENTS OF SHIPS, Marc Wilken, Uwe Langbecker, Dirk Kannenberg, Germanischer Lloyd SE, GERMANY*	**COLLAPSE STRENGTH ANALYSIS OF I-GIRDER AT ELEVATED TEMPERATURES,** *S I Park, J H Kim and D H Lee The Ship and Offshore Research Institute (The Lloyd's Resister Foundation Research Centre of Excellence), Pusan National University, KOREA*
12.20-12.25	**Product Presentation by SIEMENS**		
12.25-13.40	**LUNCH**		
Chair	*Richard Lee Storch, University of Washington, USA*	*John Duncan, Ministry of Defence, UK*	*Sung Geun Lee, DSME, Korea*
13.40-14.15	**A COMPUTER SYSTEM FOR REAL OPTION ANALYSIS OF INVESTMENT IN SHIPS,** *Floriano Pires Jr, Mauro Rezende Filho, Federal University of Rio de Janeiro, BRAZIL*	**HOW CLASSIC SYSTEMS ENGINEERING PROCESS MUST CHANGE TO BE EFFECTIVE FOR USE IN SHIP DESIGN,** *John Martin, SAMOSC Ltd., UK*	**STRUCTURAL RESPONSE CHARACTERISTICS OF SHIPS INVOLVED IN COLLISION ACCIDENT**, *S T Ince, S A M Youssef, Y S Kim, J K Seo, B J Kim and J K Paik, The Ship and Offshore Research Institute (The Lloyd's Register Foundation Research Centre of Excellence), Pusan National University, KOREA*
14.15-14.50	**CASE-BASED CONFIGURATION ESTIMATION OF STEEL WEIGHT IN SHIPS ACCORDING TO PRINCIPAL COMPONENT ANALYSIS,** *Liang-Chun Chen, Ching-Hsiang Chuang, I-Hsin Ko, Chih-Chiang Ying, Cheng-Kuan Lin , CSBC Corporation, CSBC Corporation, TAIWAN, Ying-Han Wu, Heiu-Jou Shaw, Department of Systems and Naval Mechatronic Engineering, National Cheng Kung University, TAIWAN*	**OPTIMIZATION OF SHIP DESIGN PROCESS USING WILDCARD GA,** *Kunihiro Hamada, Ryo Fujii, Yoshiki Hironaka and Mitsuru Kitamura, Hiroshima University, JAPAN*	**COMBINING LAYOUT FEATURES OF MULTIPLE DESIGNS INTO A NEW DESIGN,** *Erik Takken, Netherlands' Defence Materiel Organisation, NETHERLANDS, Arno Bons, Maritime Research Institute Netherlands, NETHERLANDS*
14.50-15.25	**4D PLANNING – PRODUCTION-SCHEDULING OPTIMIZATION FOR HULL OUTFITTING,** *Claire Bouvet, Siemens PLM Software, FRANCE*	**INTERACTIVE STEERING OF OPTIMIZATION-BASED SHIP SYNTHESIS MODELS FOR REQUIREMENTS ELUCIDATION,** *Etienne Duchateau, Hans Hopman, Delft University of Technology, Bart van Oers, Netherlands Defence Material Organisation, NETHERLANDS*	**DEVELOPMENT OF MARINE PROPULSION SHAFTING LOAD MEASUREMENT AND CALCULATION SYSTEM,** *Ji Wang , Shengjun Gu, Yu-jun Liu, Zhiyuan Wei, Zhi Qu, School of Naval Architecture, Dalian University of Technology, Dalian, CHINA*
15.25-15.30	**Product Presentation by SSI**		
15.30-16.00	**COFFEE**		
Chair	*Christian Cabos, Germanischer Lloyd, Germany*	*Soon-Hung Han, KAIST, Korea*	*John Duncan, Ministry of Defence, UK*
16.00-16.35	**REDUCING WORKLOAD IN PRODUCTION DESIGN STAGE BY RULE-BASED AUTOMATION OF CAD,** *Shigeki Yamauchi, Adrianus Zuurhout, Intergraph Corporation, Yoshitaka Kosaka, Shin Kurushima Dockyard Co. ,LTD., JAPAN*	**NEXT GENERATION DESIGN PARADIGM FOR SHIPBUILDERS,** *Stew Bresler, Amy Strucko, Paul Sicking, Kaushik Amin, Siemens PLM Software, USA*	**MIGRATION PROCESS BETWEEN CAD SYSTEMS,** *José Sánchez-Arévalo Agundo, SENER Ingeniería y sistemas, SPAIN, Guangwu Liu, Sener (Shanghai) Systems Co., Ltd., and Wuhan University of Technology, P.R.CHINA*
16.35-17.10	**DEVELOPMENT OF A LIFE CYCLE COST OPTIMISED SAFETY SYSTEM FOR STABILISING DAMAGED VESSELS OR LIFTING SUNKEN VESSELS,** *Reinhard Ahlers, Niklas Fischer, BALance Technology Consulting, GERMANY*	**NEW APPROACH TO DESIGN TRANSITION IN KOREAN PRODUCTION ENVIRONMENT,** *Doo-Jin Lee, Sener Korea Engineering and Systems Co., Ltd., KOREA, Alfonso Cebollero, Rodrigo Perez, Sener Ingeniería y Sistemas S.A., SPAIN*	**AN ADVANCED STEP IN INTEGRATING DATABASE-CONTROLLED SHIPBUILDING CAD WITH PLM SYSTEMS,** *Roberto Penas, Sener Ingeniería y Sistemas S.A., SPAIN*
19.00-	**SIT DOWN DINNER RECEPTION, in the Sky Hall-** Sponsored by AVEVA (Dress Code: Smart Casual)		

*** Early registration is available from 1600-1900 on Monday 23rd September at the conference venue (Haeundae Grand Hotel)**

	DAY 2 - Wednesday 25th September		
	Track 1	**Track 2**	**Track 3**
08.30-09.00	**REGISTRATION**		
Chair	*Joachim Brodda, Balance Technology Consulting, Germany*	*Christian Cabos, Germanischer Lloyd, Germany*	*Jung Kwan Seo, Pusan National University, Korea*
09.00-09.35	**INNOVATIVE TOOL FOR PIPING AND INSTRUMENTATION DIAGRAMS AND ELECTRICAL SCHEMATICS,** *Alfonso Cebollero, Sener Ingeniería y Sistemas S.A., Spain, Yeong-Ho Kim, Sener Korea Engineering and Systems Co., Ltd., KOREA*	**FE ANALYSIS AND LEAD TIME REDUCTION BY COMBINED USE OF CAD AND CAES,** *S Kasai, SENER Japan Engineering and Systems, K.K, JAPAN, T Kunisada, Sanoyas Shipbuilding Corporation, JAPAN, Y Ohtsuki, Tsuneishi Shipbuilding Co., Ltd, JAPAN, R Ikeda, Namura Shipbuilding Co., Ltd, JAPAN, Y Tamura, Altair Engineering, Ltd, JAPAN, Y Sasaki, Nippon Kaiji Kyokai, JAPAN,*	**AUTOMATIC PIPE ROUTING TO AVOID AIR POCKETS,** *Yuto Ando, Kyushu-University, JAPAN*
09.35-10.10	**DEVELOPMENT OF VISUALIZED STATUS MANAGEMENT SYSTEM FOR SHIP OUTFITTING USING BOM AND 3D MODEL,** *Yusuke Yoshitomi, Japan Marine United Corporation, JAPAN*	**UTILIZATION OF A 3D PRODUCT MODEL TO FULFILL THE NEW IACS CSR-H RULE REQUIREMENTS,** *T Hulkkonen, NAPA, FINLAND, C Cabos, GL, Germany, M Kidogawa, ClassNK, Japan, T Kurki, NAPA, FINLAND, B Tietgen, GL, GERMANY*	**NUMERICAL SIMULATION OF SHIP FRAME COOL FORMING PROCESS,** *LiPei-yong, SongJun-jie, WANGCheng-fang, MAOYun-sheng, Key Laboratory of High Performance Ship Technology of Ministry of Education, Wuhan University of Technology, CHINA*
10.10-10.45	**THE DIGITAL HANDOVER,** *David Thomson, AVEVA, UK*	**DEVELOPMENT OF LIGHTWEIGHT MODEL BASED ERECTION CLEARANCE CHECK SYSTEM FOR SHIPBUILDING AND OCEAN ENGINEERING,** *Heung-Won Suh, Dae-Hyung Lee, Jong-Yeol Jung, Sung-Min Kim, Seong-Hyun Shin, Jae-Jun Lee, Ho-Young Lee, Ji-Hoon Lee, Daewoo Shipbuilding & Marine Engineering Co., KOREA*	**PREDICTION AND CONTROL OF CAR FERRY SUPERSTRUCTURE BLOCKS DEFORMATION INDUCED BY WELDING AND STRAIGHTENING,** *Yukio Hama, Masanori Sano, Michihiro Kawaji, Naikai Zosen Corp, JAPAN, Yasuo Katayama, Hidekazu Murakawa , Yasuhisa Okumoto, Sherif Rashed Osaka University, JAPAN*
10.45-10.50	**Product Presentation by SENER**		
10.50-11.20	**COFFEE**		
Chair	*Sung Geun Lee, DSME, Korea*	*Soon-Hung Han, KAIST, Korea*	*Kazuo Hiekata, University of Tokyo, Japan*
11.20-11.55	**DEVELOPMENT OF HIGH PRECISION BASIC DESIGN,** *K Ito, CIM Creation K.K, JAPAN, K.Hirai, Y Nakao, T Hirayama, M Katsuragi, Oshima Shipbuilding Co., Ltd. JAPAN*		**DEMONSTRATION OF AR APPLICATION FOR SHEET METAL FORMING WORKS IN SHIPYARD,** *Kohei Matsuo, National Maritime Research Institute, JAPAN*
11.55-12.30	**A NOVEL MODELING FOR PERFORMANCE ASSESSMENT OF KITES AS AUXILIARY PROPULSION DEVICE FOR MERCHANT SHIPS,** *R. Leloup, K. Roncin, G. Blès, J.-B. Leroux, C. Jochum, ENSTA, Y. Parlier, OCEA, FRANCE*	**PROJECT NIREUS – USING SIMULATION TO JUSTIFY THE DEVELOPMENT OF QUIESCENT PERIOD PREDICTION SYSTEMS FOR NAVIES,** *Bernard Ferrier, Engineering Manager, Dynamic Interface Lab, USA*	**MONITORING SYSTEM FOR ADVANCED CONSTRUCTION MANAGEMENT (INTEGRATION METHODS OF MONITORING DATA TO GENERATE VIRTUAL JOB SHOP),** *Liu Jie, Jun Hirota, Wu Chen Xi, Kazuhiro Aoyama, The University of Tokyo, JAPAN*
12.30-12.35	**Product Presentation by BETA CAE**		
12.35-13.50	**LUNCH**		
Chair	*John Martin, SAMOSC Ltd, UK*	*John Duncan, Ministry of Defence, UK*	*Mitsuhiko Kidogawa, NIPPON, Japan*
13.50-14.25	**HOW 3D LASER SCANNING BRINGS NEW OPPORTUNITIES IN REFITTING AND CONVERSION,** *Gary Farrow, AVEVA, UK*	**APPLICATION OF A FACTORY SIMULATION TOOL TO THE OUTFITTING PROCESS,** *Yuichi Sasaki, Kozue Okada, Shuntaro Inoue, Mitsubishi Heavy Industries, LTD, JAPAN*	**RESEARCH ON THE INTELLIGENT DESIGN METHOD OF BLOCK LIFTING IN SHIPBUILDING,** *Li Rui, Liu Yujun, Wang Ji, Dalian University Of Technology, CHINA*
14.25-15.00	**PRODUCT LIFECYCLE MANAGEMENT IN THE SHIPBUILDING AND SHIPPING INDUSTRIES – AN UPDATE,** *Matthias Grau, Lars Wagner, PROSTEP, Christian Cabos, Wiegand Grafe, Germanischer Lloyd SE, GERMANY*	**SHIP HULL FORM OPTIMIZATION USING GENETIC ALGORITHMS,** *Mrinmayee Thombre, Sea Syst Consultants and Engineers, INDIA*	**OPTIMIZATION OF THE WELDING IN THE ERECTION SCHEDULING OF A SUEZMAX TANKER SHIP,** *Henri Tokola, Esko Niemi, Aalto University School of Engineering, FINLAND, Luiz Felipe Assis, Roberto Moreira Freire, Federal University of Rio de Janeiro, BRAZIL*
15.00-15.35	**CLASS SURVEYS – MILESTONES IN THE SHIP LIFECYCLE,** *Ulrike Moser, Christian Cabos, Wiegand Grafe, Germanischer Lloyd SE, GERMANY*	*MATERIALS MANAGEMENT IN SHIPYARDS FROM AN OFFSHORE PERSPECTIVE, Marcel Veldhuizen, Kristin Cochran, Intergraph, NETHERLANDS*	**A MATERIAL DISTRIBUTION SCHEDULING FOR RIGGING SHIP-HULL BLOCKS WITH PIPES,** *K Noda, S Shindo, H Kimura, Kyushu University, JAPAN*
15.35-15.40	**Product Presentation by ALTAIR**		
15.40-16.10	**COFFEE**		
Chair	*Joachim Brodda, Balance Technology Consulting, Germany*	*Hiroyuki Yamato, University of Tokyo, Japan*	*Richard Lee Storch, University of Washington, USA*
16.10-16.45	**LTE-BASED SMART SHIPYARD IMPLEMENTATION AND BYOD STRATEGY,** *Seung-UK So, Ok-Hung Hyun, In-Sung Lee, Da-Hye Jang, Hyung-Tae Cho Daewoo Shipbuilding & Marine Engineering Co. LTD., KOREA*	**DEVELOPMENT OF SOFTWARE SYSTEM FOR GENERATING CURVED SHELL PLATES' PROCESSING PLAN USING VIRTUAL TEMPLATES,** *Jingyu Sun, Kazuo Hiekata, Hiroyuki Yamato, Graduate School of Frontier Sciences, the University of Tokyo, Norito Nakagaki ,Akiyoshi Sugawara, Sumitomo Heavy Industries Marine & Engineering Co., Ltd, JAPAN*	**INNOVATIVE COLLABORATION BETWEEN INITIAL STRUCTURAL AND PRODUCTION DESIGN,** *Deok Yong Park, TIMETEC, KOREA*
16.45-17.20	**APPLICATION OF SPEECH RECOGNITION TECHNOLOGY IN SHIPYARDS,** *Motochika Nagano, Japan Marine United Corporation, JAPAN*	**NUMERICAL SIMULATION ON CURVED SHIP THICK PLATE FORMING WITH MULTI-PRESS HEADS,** *Hu Yong, Zhang Yi, XiangYong, Zheng Beijia, Yu Ping, Wang Chengfang, Wuhan University of Technology, CHINA*	**INTEGRATING CAD/CAM IN A PDM/ERP ENVIRONMENT,** *Theodoor de Jonge, NUPAS-CADMATIC, NETHERLANDS*
17.20-	**EVENING DRINKS RECEPTION, in the Emerald Room-** Sponsored by Siemens		

	DAY 3 - Thursday 26th September		
	Track 1	**Track 2**	**Track 3**
08.30-09.00	**REGISTRATION**		
Chair	*Joachim Brodda, Balance Technology Consulting, Germany*	*Mitsuhiko Kidogawa, NIPPON, Japan*	*Hiroyuki Yamato, University of Tokyo, Japan*
09.00-09.35	*JT AS THE FOUNDATION OF COLLABORATION IN SHIP LIFECYCLE: THE FIRST ISO STANDARD FOR LIGHTWEIGHT 3D VISUALIZATION, Ji Zheng Zhao, Siemens PLM Software, CHINA*	**VIRTUAL OFFSHORE RIG EXPERIENCE BASED ON MODELING & SIMULATION TECHNOLOGY,** *Kwang-Phil Park, Seung-Ho Ham, Jae-Beom Lee and A-Ra Jo, Daewoo Shipbuilding & Marine Engineering, KOREA*	**ONTOLOGY-BASED METHOD FOR SHIP GENERAL ARRANGEMENT DESIGN USING DESIGN INTENTION DRIVEN TECHNOLOGY,** *Kai Li, Ming Chen, Yan Lin, Dalian University of Technology, CHINA*
09.35-10.10	**DIVERSIFICATION – THE TECHNOLOGY ASPECTS,** *Stephane Neuveglise, AVEVA, UK*	**CRANE LIFTING SIMULATION FOR PRODUCTION PLANNING IN SHIPBUILDING,** *Seung-Ho Ham, Kwang-Phil Park, and Chan-Young Lee, Daewoo Shipbuilding & Marine Engineering Inc, KOREA*	**ADAPTING AND ADOPTING 3D DESIGN TECHNOLOGY TO CRUISE SHIPS,** *Michael A. Polini, Yann Limon Duparcmeur, Intergraph Corporation, Paul Lemoine, STX Europe, NORWAY*
10.10-10.45	**DEVELOPMENT OF REAL-TIME AND PAPERLESS COLLABORATIVE SYSTEM DUE TO ENGINEERING CHANGES IN SHIPBUILDING USING MOBILE PLATFORM,** *Gyeongdong Baek, Daewoo Shipbuilding & Marine Engineering Co., Ltd, KOREA*	**THE USE OF AIRCRAFT/SHIP DYNAMIC INTERFACE SIMULATION IN THE DECK DESIGN OF ALL WEATHER MANNED AND UNMANNED HELICOPTER SHIPBOARD OPERATIONS,** *Bernard Ferrier, Dynamic Interface Lab, USA, Dr John Duncan, MoD DES, UK, Dr Robert Ernst, NAVAIR PMA 266, USA*	**ANTI-VIBRATION REINFORCEMENT DESIGN METHODOLOGY OF SHIP ENGINE ROOM USING TOPOLOGY OPTIMIZATION,** *Masafumi Daifuku, Kouhei Kawasaki, Akihiro Takezawa, Mitsuru Kitamura, Hiroshima University, Haruki Terashita and Yasuaki Ohtsuki, Tsuneishi Shipbuilding Co., Ltd, JAPAN*
10.45-10.50	**Product Presentation by NUPAS-CADMATIC**		
10.50-11.20	**COFFEE**		
Chair	*John Martin, SAMOSC Ltd, UK*	*Sung Geun Lee, DSME, Korea*	*Jung Kwan Seo, Pusan National University, Korea*
11.20-11.55	**'ROBOT TANK SYSTEM' AND DEVELOPMENT OF INTEGRATED MANAGEMENT SYSTEM FOR VARIOUS MEASURED DATA IN TANK TESTS,** *Hiroyuki Yamato, Kazuo Hiekata, Masakazu Enomoto, Yoshihiro Tsuchiya, Taiga Mitsuyuki, Shogo Kimura, Takashi Hasegawa, Yu Kawano, University of Tokyo, JAPAN*	**CHALLENGES FACED BY A SMALL SHIP YARD IN INTEGRATING COMPUTER AIDED DESIGN AND PRODUCTION PROCESSES – A REAL LIFE CASE STUDY,** *A.N.O. Paine, J. Richley, G. Sims, L.J. Boissevain, M. W. Lewis, R.S. Ransing and D.T. Gethin, Mustang Marine (Wales) Ltd, UK*	**INTELLECTUAL PROPERTY PROTECTION IN THE MARITIME INDUSTRY – STATE-OF-THE-ART REVIEW AND SOLUTION APPROACHES,** *Matthias Grau, Josip Stjepandic, Harald Liese, PROSTEP, GERMANY*
11.55-12.30	**STUDY OF ICING-UP IN THE FRESH WATER TANKS OF THE SEMI-SUBMERSIBLE DRILLING RIGS OPERATED IN NORTHERN SEAS,** *Kudinovich I.V., Syraleva M.N, Krylov State Research Centre RUSSIA*	**INTEGRATED DESIGN AND PRODUCTION PLANNING FOR SHIP BLOCK ASSEMBLY AND CONSTRUCTION,** *Chang-Young Shon, Intergraph, KOREA, Kristin B Cochran, Intergraph, USA, Teodorojr R Ladran, JaeHo Lee, Intergraph Global Marine Center, KOREA*	**ISSUE MANAGEMENT FIDELITY IN SHIPBUILDING LIFECYCLE,** *Malay Pal, Siemens PLM Software, INDIA*
12.30-12.35	**Product Presentation by TECHVIZ**		
12.35-13.50	**LUNCH**		
Chair	*Soon-Hung Han, KAIST, Korea*	*Jeom Paik, Pusan National University, Korea*	*John Duncan, Ministry of Defence, UK*
13.50-14.25	**THE USE OF COMPUTER SIMULATION TECHNOLOGY IN EARLY STAGES OF SHIP DESIGN,** *A. Gharib, D. J. Andrews, H. D. Griffiths, UCL, UK*	**ADVANCED SHIP DIRECT STRENGTH ANALYSIS SYSTEM IN FULL COMPLIANCE WITH COMMON STRUCTURAL RULES (TCAD-DSA/CSR), USING THE PARAMETRIC MODELING APPLICATION TCAD**, *Toshihiro Fujii, Yuji Miyoshi, Oshima Shipbuilding Co,, Ltd., Mitsue Maki, Shinichi Hirakawa, Japan Marine United Corporation, Daisuke Fujita, Yasunori Kamimaru, Technostar Co., Ltd., JAPAN*	**HOMER: INTEGRATED HYDRO-STRUCTURE INTERACTIONS TOOL FOR NAVAL AND OFF-SHORE APPLICATIONS,** *Malenica Š., Derbanne Q., Sireta F.X., Bigot F., Tiphine E., De-Hauteclocque G. & Chen X.B, Bureau Veritas Research Department, FRANCE*
14.25-15.00	**CHALLENGES IN EARLY SHIP DESIGN. INTEGRATED SOLUTION FROM CONCEPT TO PRODUCTION,** *Rafael de Góngora, Sener Ingeniería y Sistemas, SPAIN*	**MULTI-PLATFORM COLLABORATION TOOL FOR SHIP DESIGN AND PRODUCTION,** *Roberto Benčić, Milan Milanović, Gordan Šikić, Marin Bistričić, Uljanik Shipbuilding Computer Systems d.o.o., CROATIA*	**TANK HYDRODYNAMICS IN THE ORGANIZED ANALYSIS BY SESAM MANAGER,** *Arild Ludvigsen, Zhi Yuan Pan, Styrk Finne & Torgeir Vada, DNV Software, NORWAY*
15.00-15.30	**COFFEE**		
Chair	*Richard Lee Storch, University of Washington, USA*	*John Martin, SAMOSC Ltd, UK*	*John Duncan, Ministry of Defence, UK*
15.30-16.05	**A SCALABLE APPROACH TO 3D VISUALIZATION AND REVIEW THROUGHOUT THE SHIPBUILDING LIFECYCLE,** *Darren Larkins, SSI, CANADA*	**EMPOWERED ENGINEERING: AVAILABILITY OF ENGINEERING DATA THROUGHOUT THE SHIPYARD,** *Denis Morais, SSI, CANADA*	**HYDRODYNAMIC ANALYSIS FOR NPL SERIES ROUND BILGE HULL FORM SHIPS,** *Tatan Paul, Anuj Kumar Verma, Pramit Kumar Sarkar, Indian Maritime University, Revathi Chavali, School of Maritime Design and Research, INDIA*
16.05-16.40	**SECURING DATA QUALITY ALONG THE SUPPLY CHAIN,** *Matthias Grau, Josip Stjepandic, PROSTEP, Christoph Ruppert, Heidelberger Druckmaschinen AG, GERMANY*	**MULTI-AGENT SYSTEM FOR AN EMISSION POLICY MAKING ON INTERNATIONAL SHIPPING TO PLAN SPECIFICATIONS OF INNOVATE GREEN SHIPPING,** *Le Sun, Takeki Mori, Wu Chen Xi, Kazuya Oizumi, Kazuhiro Aoyama, The University Of Tokyo, JAPAN*	**COMPUTER APPLICATION FOR SHAFT ALIGNMENT DESIGN,** *Yuriy Batrak, Roman Batrak, Dmytro Berin, Intellectual Maritime Technologies, UKRAINE*
16.40-	**CLOSE**		

DAY 4 - Friday 27th September	
08.30-09.00	**REGISTRATION** - Attending delegates please meet at Hotel Haeundae Reception
09.00-10.00	Coach to HHI Ulsan
10.00-11.00	**Shipyard Visit- HHI Ulsan**
11.00-12.00	Return to Hotel