



DAY 1 - Tuesday 29 th September			
	Track 1	Track 2	Track 3
08.30-09.30	REGISTRATION & COFFEE		
<i>Chair</i>	<i>John Duncan</i>		
09.30-09.35	WELCOME ADDRESS - <i>Mark Staunton-Lambert, RINA</i> FORMAL OPENING - <i>John Duncan, IPC Chairman</i>		
09.35-09.55	PERSPECTIVES FOR INTELLIGENT ICT IN SHIPBUILDING, <i>Karl Hribernik, Bremen Institute for Production and Logistics (BIBA), Head of Department for Intelligent ICT for Co-operative Production, GERMANY</i>		
09.55-10.15	BIG DATA, HOW WILL IT IMPACT SHIPPING? <i>Christian Cabos, DNVGL, GERMANY</i>		
10.15-10.45	A HOLISTIC APPROACH FOR ENERGY FLOW SIMULATIONS IN EARLY SHIP DESIGN, <i>Rolf Nagel, Flensburger Schiffbau-Gesellschaft mbH & Co. KG, GERMANY</i>		
10.45-10.50	Product Presentation by SIEMENS		
10.50-11.20	COFFEE		
<i>Chair</i>	<i>John Duncan</i>	<i>John Martin</i>	<i>Mitsuhiko Kidogawa</i>
11.20-11.55	DESIGN FOR SUPPORT IN THE INITIAL DESIGN OF NAVAL COMBATANTS, <i>Syavash Esbati, A S Piperakis, R J Pawling, D J Andrews, Design Research Centre, Marine Research Group, Department of Mechanical Engineering, University College London, UK</i>	PROCESS AND KNOWLEDGE INTEGRATION VIA PORTALS IN SHIPBUILDING, <i>Bhavik J Thakker, J M G Coenen, J A J Kaarsemaker, A Asmara Royal IHC, Technical University Delft, THE NETHERLANDS</i>	MEASURES TO ENABLE THE PERFORMING OF SYSTEM SIMULATIONS IN A JOINT RESEARCH PROJECT, <i>Christoph Thiem, M von der Heyde, Hamburg University of Technology (TUHH), GERMANY, M Godjevac, Delft University of Technology (TUD), THE NETHERLANDS</i>
11.55-12.30	ADVANCED WHOLE SHIP ANALYSIS - A NEW GENERATION OF FE BASED STRENGTH ANALYSIS FOR CONTAINER VESSELS, <i>Jörg Rörup, O Doerk and Christian Cabos, DNV GL, GERMANY, B S Kang, Samsung Heavy Industries, KOREA</i>	REGENERATING HULL SURFACE DEFINITION FROM LASER POINT CLOUDS, <i>Marcus Bole, AVEVA Solutions Ltd, UK</i>	VIRTUAL SHIP: AN INTEGRATED DESIGN ENVIRONMENT FOR OPTIMAL SHIP ARCHITECTURE, <i>Benoit. Rafine, J. Bénabès, G. Jacquenot and A. Guégan, DCNS Research, FRANCE</i>
12.30-12.35	Product Presentation B.1	Product Presentation B.2	Product Presentation B.3
12.35-13.50	LUNCH		
<i>Chair</i>	<i>John Duncan</i>	<i>John Martin</i>	<i>Benoit Rafine</i>
13.50-14.25	DESIGNING SHIPS FOR SERVICE WITH THE HELP OF PERFORMANCE MONITORING, <i>Jan Furustam and I. Kuutti, NAPA Ltd, FINLAND, K. Koike and R. Yoshida, Sanoyas Shipbuilding Corporation, JAPAN</i>	EASY APPLICATION OF SIMULATION AT SMALL AND MEDIUM SIZED SHIPYARDS PLANNING PROCESS, <i>M Hübler, Deepak Narayanan, M Krause, A Roppelt and F Roland, Center of Maritime Technologies e.V., GERMANY</i>	COST REDUCTION IN BASIC SHIP DESIGN SUPPORTED BY A SINGLE STRUCTURAL MODEL - A PRACTICAL APPROACH, <i>Augusto. Gómez, SENER Ingeniería y Sistemas S.A., SPAIN, G. Korbetis, BETA CAE Systems, GREECE, F. Regueira, SENER Ingeniería y Sistemas, S.A., SPAIN</i>
14.25-15.00	DEVELOPMENT OF SHIP PERFORMANCE DATA MANAGEMENT SYSTEM COMBINING EXPERIMENT DATA AND MEASURED DATA IN ACTUAL SEA, <i>S Wanaka, H Yamato, K Hiekata, T Mitsuyuki, M Enomoto and Y Tsuchiya The University of Tokyo, JAPAN</i>	INFLUENCE OF BLOCK BUILDING METHOD ON OUTFITTING EFFICIENCY AT AN ASSEMBLY SHIPYARD, <i>Lauri M Kujala, M Nallikari, Arctech Helsinki Shipyard, FINLAND, H A Tokola, H Remes, Aalto University, FINLAND</i>	A VIRTUAL SINGLE SHIP-DESIGN SYSTEM COMPOSED OF MULTIPLE INDEPENDENT COMPONENTS, <i>Herbert Koelman, SARC B.V., THE NETHERLANDS, Jan van der Zee, Conoship International, THE NETHERLANDS, Theodoor de Jonge, Numeriek Centrum Groningen B.V., THE NETHERLANDS</i>
15.00-15.35	DEVELOPMENT OF SEA TRIAL SOFTWARE ACCORDING TO THE NEW ISO 15016 AMENDMENTS, <i>Beom Jin Park, M Shin, GJ Lee and M Ki, Korea Research Institute of Ships and Ocean Engineering (KRISO), REPUBLIC OF KOREA</i>	SCHEDULING FOR ASSEMBLY SITES IN SHIPYARDS USING LINEAR OPTIMIZATION, <i>Jan N Sikorra, R Glöckner, A Friedewald, H Lödding, Hamburg University of Technology, GERMANY</i>	DEVELOPMENT OF PRODUCT MODEL DATA EXCHANGE BETWEEN DIFFERENT 3D CAD SYSTEMS IN JAPANESE SHIPYARDS, <i>T Hiraki, Mitsubishi Heavy Industries, Ltd., T Hirayama, Oshima Shipbuilding Co., Ltd., Y Ohtsuki, Tsuneishi Shipbuilding Co., Ltd., K Maeda, SEA Soken Co., Ltd., M Kidogawa, Nippon Kaiji Kyokai, K Ito, CIM Creation Co., Ltd., JAPAN</i>
15.35-15.40	Product Presentation C.1	Product Presentation C.2	Product Presentation C.3
15.40-16.10	COFFEE		
<i>Chair</i>	<i>John Martin</i>	<i>Rachel Pawling</i>	<i>Jamie Duncan</i>
16.10-16.45	MODEL REUSE—THE LINK BETWEEN 3D MODELS FOR BASIC DESIGN AND 3D MODELS FOR DETAILED AND PRODUCTION DESIGN, <i>Michael Polini, Intergraph, Corporation, USA, T Hulkkonen, Napa, Ltd., FINLAND</i>	AR APPLICATION DEVELOPMENT FOR PIPE INSTALLING ASSISTANCE, <i>Kohei Matsuo, National Maritime Research Institute, JAPAN</i>	SHIP MOTION PREDICTION USING SIMULATION - TECHNOLOGY DEVELOPMENTS AND RESULTS FROM A DEDICATED ROYAL NAVY SEA TRIAL, <i>Dr. Bernard Ferrier, Hoffman Engineering Corporation, Dynamic Interface Laboratory, USA, Dr. J Duncan, Defence Equipment & Support, MOD, UK, Dr. M. R. Belmont, Exeter University, UK, Mr. A Curnow, Defence Equipment & Support, MOD, UK, Mr. J. Duncan, Defence Equipment & Support, MOD, UK</i>
16.45-17.20	MODEL BASED ENTERPRISE ARCHITECTURE FOR SHIPBUILDING, <i>John Rand Langmead, Director, Siemens PLM, USA, DL Gillikin, Business Consultant, Siemens PLM, USA</i>	THE USE OF PRODUCT LIFECYCLE MANAGEMENT IN THE DESIGN AND MAINTENANCE OF COMPLEX NAVAL ASSETS, <i>Gavin Hamilton, ASC Pty Ltd, AUSTRALIA</i>	INTERNATIONAL SIMULATION OF REPLENISHMENT AT SEA USING THE VIRTUAL SHIP STANDARD, <i>G K Henry, Systems Engineering & Assessment Ltd, UK, S P Fiddes and C W Burkett, Flow Solutions Limited, UK, J Duncan, Defence Equipment and Support, MOD, UK, K A McTaggart, Defence Research and Development Canada, CANADA, N Stuntz, Bundeswehr Technical Centre for Ships and Naval Weapons, Maritime Technology and Research, GERMANY, D Tozzi, CETENA, ITALY</i>
19.00-23.00	SIT DOWN DINNER RECEPTION - ZURICH ROOMS, Sponsored by AVEVA		



DAY 2 - Wednesday 30 th September			
	Track 1	Track 2	Track 3
08.30-09.00	REGISTRATION		
<i>Chair</i>	<i>Joo Hock Ang</i>	<i>John Duncan</i>	<i>Christoph Thiem</i>
09.00-09.35	AUTO-GENERATION OF HULL STRUCTURE DRAWINGS FOR CLASS APPROVAL, <i>Carlos Gonzalez, SENER, SPAIN, Y H Kim, Y S Kim, SENER Korea Engineering and Systems Co., Ltd., REPUBLIC OF KOREA</i>	DEVELOPMENT OF AUTOMATIC CONTROL SYSTEM FOR WELDING DEFORMATION IN DESIGN PHASE OF SHIP AND OCEAN PLANT PRODUCTION, <i>HoJung Kim, Y D Park, H Y Heo, J G Park and S H Won, Samsung Heavy Industries, KOREA</i>	DATA GOVERNANCE AND DESIGNING WARSHIPS, <i>Tony Wallis, BAE SYSTEMS Maritime - Naval Ships, UK</i>
09.35-10.10	INTEGRATED SOFTWARE APPLICATION FOR E-APPROVAL OF SHIP & OFFSHORE CLASSIFICATION, <i>Topan Indrawan and T Firmandha, Biro Klasifikasi Indonesia, INDONESIA</i>	INTUITIVE WELD MANAGEMENT: LEVERAGING 3D MODELS, <i>Denis Morais, M Waldie, and D Larkins, SSI, CANADA</i>	LIFE CYCLE PERFORMANCE ASSESSMENT - METHOD AND TOOL FOR DECISION MAKERS, <i>Markus Lehne, Christian Norden, Dr. Stephan Wurst, BALance Technology Consulting GmbH, GERMANY, Rolf Nagel, Flensburger Schiffbau-Gesellschaft mbH & Co. KG, GERMANY</i>
10.10-10.45	PROCESS INNOVATION FOR HULL DESIGN AT SAMSUNG HEAVY INDUSTRIES, <i>Tapio Hulkkonen, NAPA Ltd, Finland, B S Kang, Samsung Heavy Industries, KOREA, C Cabos and B Tietgen, DNV GL, Germany, M Kidogawa, ClassNK, JAPAN</i>	ACCURACY CONTROL OF HATCH COVER USING PRECISE MEASUREMENT TECHNIQUE, <i>Ryogo Abe, Kokusai Kogyo Co., JAPAN, Kunihito Hamada, Noritaka Hirata and Ryotaro Tamura, Hiroshima University, JAPAN, Nobuaki Nishi, Tsuneishi Shipbuilding Co., Ltd., JAPAN</i>	HOW TO ENSURE ON-TIME DELIVERY AND COST SAVINGS IN MARINE AND OFFSHORE PROJECTS?, <i>Thomas Kalkman, KEONYS, France, H van Noort, KEONYS, France</i>
10.45-10.50	Product Presentation D.1	Product Presentation D.2	Product Presentation D.3
10.50-11.20	COFFEE		
<i>Chair</i>	<i>Jorg Lampe</i>	<i>Sebastian Greshake</i>	<i>Markus Lehne</i>
11.20-11.55	CONCEPTUAL DESIGN SYSTEM FOR FPSO (FLOATING PRODUCTION STORAGE AND OFFLOADING VESSEL) WITH CONSIDERATION OF LIFECYCLE SCENARIOS, <i>D Jeong, K Oizumi and K Aoyama, University of Tokyo, JAPAN, Y Ueda, Mitsui Ocean Development and Engineering Co., JAPAN</i>	RESEARCH ON INFORMATION MATCHING CORRELATION TECHNOLOGY FOR THE MANUFACTURING ASSEMBLY OF HULL ASSEMBLAGE, <i>Ning Chen, ZhiChao Chen, GZ Bao and X Yang, Jiangsu University of Science and Technology, China</i>	DESIGN IN CONTEXT: 'AUGMENTED DESIGN', <i>Gauthier Stonestreet, AVEVA Solutions Ltd, UK</i>
11.55-12.30	SHIP LIFE CYCLE VALUE MAXIMIZATION WITH FLEXIBLE DESIGN FOR RETROFIT AND MODIFICATION, <i>K Hiekata, T Mitsuyuki, H Yamato and Tomoki Saito, The University of Tokyo, JAPAN</i>	HOW TO INTEGRATE DESIGN AND MANUFACTURING EFFICIENTLY WITH COMPLETE INSIGHT AND TRACEABILITY OF ALL INFORMATION REQUIRED: CASE STUDY OF THE INTEGRATION OF SMART PRODUCTION INTO SMART™ YARD IMPLEMENTATION FOR PIPING FABRICATION, <i>Rachel Yee, Intergraph Corporation, SINGAPORE, Hannu Kakela, NESTIX Oy, FINLAND</i>	ACCESSIBLE IMMERSIVE VISUALISATION FOR SHIPBUILDING, <i>John Martin, SAMOSC Ltd., UK, A. Connell, Virtualis Ltd., UK</i>
12.30-12.35	Product Presentation by PROSTEP		
12.35-13.50	LUNCH		
<i>Chair</i>	<i>Doug Milne</i>	<i>Stephen Cattanach</i>	<i>John Martin</i>
13.50-14.25	DESIGN DEFINITIONS OF FLIGHT DECK LAYOUT FOR HELICOPTER AVIATION OPERATIONS USING SIMULATION METHODS, <i>Dr. Bernard Ferrier, Hoffman Engineering Corporation, Dynamic Interface Laboratory, USA, Dr. J Duncan, MOD, UK, Mr. R. Ernst, NAVAIR PMA 266, USA</i>	3D PRODUCTION PLANNING SYSTEMS AND THE DATABASE, <i>Kenji Doi, Japan Marine United Corporation, JAPAN</i>	BUSINESS AND INFORMATION MANAGEMENT ARCHITECTURES FOR DELIVERING PRODUCT LIFECYCLE MANAGEMENT (PLM) IN ENGINEER TO ORDER (ETO) PRODUCTS, <i>Daniel McKendry, BAE Systems Naval Ships, UK, Ri Whitfield and AHB Duffy University of Strathclyde, UK</i>
14.25-15.00	SHIP SCALE CFD FREE SINK, TRIM & SURGE SELF-PROPULSION SIMULATION AND DIRECT COMPARISON TO SEA TRIALS, <i>C. Zegos and Dr. Dmitriy Ponkratov, Lloyd's Register, UK</i>	A PRACTICAL APPROACH FOR THE SMART INSTALLATION OF BALLAST WATER MANAGEMENT SYSTEMS USING 3D ENGINEERING TECHNOLOGY, <i>Junichi Hirata and Y. Yamaguchi, ClassNK, JAPAN, K. Hiekata, The University of Tokyo, JAPAN, Y. Miyazaki and S. Usami, Armonicos, JAPAN</i>	IRIS - AN INNOVATIVE INSPECTION SYSTEM FOR MARITIME HULL STRUCTURES, <i>M Wilken, C Cabos, DNV GL SE, GERMANY, D Baumbach, M Buder, A Choinowski, D Griebßbach, S Zuev, DLR (German Aerospace Center), GERMANY</i>
15.00-15.35	NUMERICAL ANALYSIS OF PLANING BOATS IN SHALLOW WATER USING A 2D+T METHOD, <i>Hendrik Haase and J P Soproni and M Abdel-Maksoud, Hamburg University of Technology, GERMANY</i>	MONITORING SYSTEM FOR ADVANCED SHIPBUILDING CONSTRUCTION MANAGEMENT: EXTRACTING AND UTILISING MONITORING DATA BY CONSIDERING THE RELIABILITY OF MONITORED DATA, <i>Y Hiro and K Aoyama, University of Tokyo, JAPAN, J Liu, Wuhan University of Technology, CHINA</i>	CABLE ROUTING IN CRUISE SHIP DESIGN, <i>Matti Juntunen, NUPAS-CADMATIC, FINLAND</i>
15.35-15.40	Product Presentation F.1	Product Presentation F.2	Product Presentation F.3
15.40-16.10	COFFEE		
<i>Chair</i>	<i>Gary Henry</i>	<i>John Duncan</i>	<i>Daniel McKendry</i>
16.10-16.45	HULL FORM DESIGN OPTIMISATION FOR IMPROVED EFFICIENCY AND HYDRODYNAMIC PERFORMANCE OF 'SHIP-SHAPED' OFFSHORE VESSELS, <i>J H Ang, Sembcorp Marine Ltd., Singapore, and University of Glasgow, UK, C Goh and Y Li, University of Glasgow, UK</i>	RESEARCH OF CHARACTERISTIC OF WRINKLING IN COLD FORMING PROCESS FOR SHIP FRAME PART BASED ON NUMERICAL SIMULATION, <i>LiPei-yong, SongJun-jie, WANGCheng-fang, MAOYun-sheng, Zhouyongqing, Xiangzuquan, Wuhan University of Technology, P. R. CHINA</i>	ENERGY SIMULATION FOR WASTE HEAT RECOVERY SYSTEMS, <i>A Ginnetti, Jörg Lampe, DNV GL SE, GERMANY, A Magdanz, ITI GmbH, GERMANY</i>
16.45-17.20	HIGH QUALITY SHIP HULL FORM REPRESENTATION BASED ON SUBDIVISION SURFACES, <i>Sebastian H Greshake and R Bronsart, University of Rostock, GERMANY</i>	RESEARCH OF THE PLASTIC DEFORMATION ZONE FOR SHIP FRAME COLD FORMING, <i>ZhouYongqing, LiPei-yong, SongJun-jie, WANGCheng-fang, MAOYun-sheng, XiangZuquan, Wuhan University of Technology, P. R. CHINA</i>	A BILL OF MATERIAL OF INTEGRITY: ALIGNING CAD AND PDM, <i>Stephen Cattanach, BAE Systems Maritime Naval Ships, UK</i>
19.00-21.00	EVENING DRINKS RECEPTION - ZURICH ROOM III, Sponsored by SIEMENS		



DAY 3 - Thursday 1 st October			
	Track 1	Track 2	Track 3
08.30-09.00	REGISTRATION		
<i>Chair</i>	<i>John Duncan</i>	<i>Bhavik Thacker</i>	<i>John Martin</i>
09.00-09.35	INTEGRATION OF MARKET UNCERTAINTY IN SHIP'S DESIGN SPECIFICATION, <i>Romanas Puisa, Brookes Bell LLP, UK</i>	DETERMINING SHIP OUTFITTING TASK PRIORITIES USING LATEST FINISH TIME DISTRIBUTIONS, <i>C D Rose and J M G Coenen, Delft University of Technology, THE NETHERLANDS</i>	KEY CAD ENHANCEMENTS TO FIT SUBMARINE DESIGN REQUIREMENTS, <i>Rodrigo Perez, Carlos Gonzalez, SENER, SPAIN,</i>
09.35-10.10	TOOL FOR EVALUATION OF OPERATING ECONOMY AND ECOLOGY IN SHIP CONCEPT DESIGN, <i>Saara Hänninen, R Tuominen and S Kunttu, VTT Technical Research Centre of Finland Ltd, FINLAND, M Elg, Deltamarin Ltd, FINLAND, P Lindholm, ABB Marine and Ports, FINLAND</i>	SHIP WORK BREAKDOWN STRUCTURES THROUGH DIFFERENT SHIP LIFECYCLE STAGES, <i>Malay Pal, Siemens Industry Software, INDIA</i>	HOW MOBILE DEVICE TECHNOLOGY CAN INCREASE PRODUCTIVITY IN SHIPBUILDING, <i>Gauthier Stonestreet, AVEVA Solutions Ltd, UK</i>
10.10-10.45	THE INTEGRATION OF HUMAN FACTORS INTO PRELIMINARY RISK-BASED SHIP DESIGN, <i>Alexander S Piperakis, R J Pawling and D J Andrews, Design Research Centre, Marine Research Group, Department of Mechanical Engineering UCL, UK</i>	HOW INTERGRAPH SMART™ YARD LEVERAGES THE ENGINEERING DESIGN BASIS TO IMPROVE WORK PROCESSES ACROSS THE PROJECT LIFE CYCLE, <i>Najaf Bashir, Intergraph Process, Power and Offshore, SINGAPORE</i>	STEREO 3D PRESENTATION OF SHIP STRUCTURES USING LOW COST HARDWARE, <i>Gordan Šikić and M Bistričić, USCS d.o.o., CROATIA</i>
10.45-10.50	Product Presentation G.1	Product Presentation G.2	Product Presentation G.3
10.50-11.20	COFFEE		
<i>Chair</i>	<i>Myung-il Roh</i>	<i>Kai Li</i>	<i>Jamie Duncan</i>
11.20-11.55	INTEGRATED SYSTEM SIMULATION AND DEPENDABILITY ANALYSIS IN MARITIME INDUSTRY, <i>Erich Rude, J Lampe, DNV GL SE, GERMANY, A Abel, ITI GmbH, GERMANY</i>	DATA MINING TO PREDICT HYBRID LASER ARC WELDING IMPROVEMENTS IN SHIP INTERIM PRODUCT ASSEMBLY, <i>Damir Kolich, University of Rijeka, CROATIA, Y L Yao, Columbia University, USA, R Neuberger, Columbia University, USA, R L Storch, University of Washington, USA, N Fafandjel, University of Rijeka, CROATIA</i>	URBAN FERRIES: COMBINING TECHNOLOGIES AND OPERATIONAL PROFILES, <i>Deniz de Koningh, Damen Shipyards Gorinchem, NETHERLANDS, A Vrijdag and H J Bosman, Delft University of Technology, NETHERLANDS</i>
11.55-12.30	PARAMETRIC CALCULATIONS IN PRODUCTION DESIGN OF THE PROPULSION MACHINERY, <i>Yuriy Batrak, R. Batrak and D. Berin, Intellectual Maritime Technologies, UKRAINE</i>	RESEARCH ON MPF PROCESS USING PUNCHES WITH HEMISPHERIC HINGE HEAD, <i>B B Jia, Wei Wei Wang and C Zhao, Harbin Institute of Technology, CHINA</i>	INNOVATIVE METHODS FOR LEVERAGING A 3D PRODUCT MODEL, <i>M Waldie, Darren Larkins, D Morais SSI, CANADA, N Danese, NDAR, FRANCE</i>
12.30-12.35	Product Presentation H.1	Product Presentation H.2	Product Presentation H.3
12.35-13.50	LUNCH		
<i>Chair</i>	<i>John Duncan</i>	<i>John Martin</i>	<i>Gavin Hamilton</i>
13.50-14.25	AUTOMATED INTEROPERABILITY FROM CONCEPT DESIGN TO MULTIDISCIPLINARY FE ANALYSIS, <i>George Korbetis, S Chatzimoisiadis, D Drougkas, BETA CAE Systems, GREECE</i>	AUTOMATIC DESIGN METHOD AND APPLICATION IN COMPLEX SHIP BLOCK LIFTING, <i>Rui Li, J Wang, Y J Liu, F Zhang, C Ma, X G Han, School of Naval Architecture, Dalian University of Technology, CHINA</i>	APPLICATION OF SYNCHRONOUS, HETEROGENEOUS DESIGN COLLABORATION TO SHIPBUILDING, <i>C. Greg Jensen, CAD Alliance, USA, K. Eric Bowman, Brigham Young University, USA</i>
14.25-15.00	TURNING ABILITY OF A TANKER IN SHALLOW WATERS UNDER PRONOUNCED ENVIRONMENTAL EFFECTS, <i>A V Saj, Poojari Deepti and A R Kar Indian Register of Shipping, India</i>	PHYSICS-BASED SIMULATION FOR PRODUCTION AND INSTALLATION OF SHIPS AND OFFSHORE PLANTS, <i>Myung Il Roh and S H Ham, Seoul National University, REPUBLIC OF KOREA, S Ha, Mokpo National University, REPUBLIC OF KOREA, N K Ku, Dong-eui University, REPUBLIC OF KOREA</i>	DIGITAL MANUFACTURING BASED ON 3D DESIGN INFORMATION, <i>Tokimasa Hiraki, Y Mimori, Mitsubishi Heavy Industries, LTD, JAPAN</i>
15.00-15.35	INFORMATION MODELLING FOR TRACKING MODIFICATIONS IN CLASSIFICATION PROCESSES, <i>Shu Zhang and J Rebel, DNV GL SE, Hamburg, GERMANY</i>	USE OF SIMULATION FOR COMPLEX SHIP MANOEUVRES AS APPLIED TO UNDOCKING OF QUEEN ELIZABETH CLASS AIRCRAFT CARRIERS, <i>Doug Milne, Babcock International Group PLC, UK</i>	THE DIGITALIZATION OF SHIPBUILDING, LAUNCHING A NEW ERA IN PRODUCTIVITY AND SHIP PERFORMANCE, <i>Timothy Nichols, Director, Siemens PLM Software, USA, DL Gillikin, Business Consultant, Siemens PLM, USA</i>
15.35-15.40	Product Presentation I.1	Product Presentation I.2	Product Presentation I.3
15.40-16.10	COFFEE		
<i>Chair</i>	<i>Gary Henry</i>	<i>Shu Zhang</i>	<i>John Duncan</i>
16.10-16.45	RAPID MESH GENERATION FOR HYDRODYNAMIC ASSESSMENTS, <i>Michael C Johnson, N R Southall, N J White Lloyd's Register MTEs, UK, T A Macadam, Y Li, F Lin, Lloyd's Register ATG, CANADA</i>	RESEARCH ON SHIPBUILDING INDUSTRY VENDOR EVALUATION METHOD BASED ON DATA MINING, <i>Kai Li, M Chen, Y Lin, School of Naval Architecture and Ocean Engineering, Dalian University of Technology, CHINA</i>	DIGITAL MOCK-UP AND WORKING SIMULATION ON MIXED REALITY, <i>Motochika Nagano, Japan Marine United Corporation, Japan</i>
16.45-17.20	ANALYSIS OF PROPELLER WAKE FIELD FOR TWISTED RUDDER DESIGN, <i>Y E Shon, B J Chang, J M You and B W Han, Hyundai Maritime Research Institute, Hyundai Heavy Industries Co., Ltd, KOREA</i>	COMPUTER AIDED STRUCTURAL DESIGN OPTIMIZATION IN SELECTION OF A T-SECTION WITH UNIFORM STRENGTH, <i>Joseph Praful Tomy, Goa Shipyard Limited, India</i>	3D MARITIM - SUPPORTING TECHNOLOGY TRANSFER FOR 3D GRAPHICS, <i>Uwe Freiherr von Lukas, Fraunhofer IGD, GERMANY, I Staack, Thyssen Krupp Marine Systems GmbH, GERMANY, V Köhler, benntec Systemtechnik GmbH, GERMANY</i>
17.20-	CLOSE		



DAY 4 - Friday 2 nd October	
08.15-08.45	REGISTRATION- Swissôtel Reception
08.45-10.45	Coach to Papenburg
11.15-13.30	Tour of Meyer Werft Shipyard
13.45-15.45	Return coach to Swissôtel Bremen