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THE 17th INTERNATIONAL CONFERENCE
ON COMPUTER APPLICATIONS IN
SHIPBUILDING (ICCAS 2015)

29th September - 1st October 2015







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The 17th International Conference on Computer Applications in Shipbuilding (ICCAS) will review operational experience from existing computer applications in the design and build of ships and offshore structures and will cover a full range of topics including; engineering analysis, data modelling, PLM, CAD, CAM, integrated systems, knowledge management, systems engineering, simulation, visualisation, processes and standards.

It will also examine the advances in Information Technology which have contributed to increased productivity in both shipbuilding and maritime operations; including increasing co-operative working between shippards, marine equipment and system manufacturers, engineering partners and shipping companies.

These conference attract a large International audience and provide an excellent forum for both those developing and using computer applications in shipbuilding.

Venue

The ICCAS 2015 conference will take place in Zurich Room 1, 2 and 3, 1st Floor of the **Swissôtel Bremen:** Hillmannplatz 20, 28195 Bremen, Germany.



Deadlines and Key Dates

Deadline for submission of papers (Authors)

Early Registration discount ends
Conference

29th July 2015
29th August 2015
29th September-1st October 2015

Language

The Language for ICCAS 2015 is English

Conference Dinner

Delegates are invited to a dinner at the end of the first day, 29^{th} September, kindly sponsored by AVEVA.

Evening Drinks Reception

There will be a drinks reception at the end of day 2.

Shipyard Visit

RINA will organise a visit to a local shiptyard on the morning of 2^{nd} October. More details will be made available in due course. Delegates are encouraged to sign up as soon as possible as places will be limited.

Sponsorship & Exhibition

This conference provides an excellent opportunity to increase your organisations profile and to network with a highly focused audience. A number of cost effective sponsorship options are available, including various conference sponsorship packages, exhibition space and literature distribution. If you are interested in promotional opportunities, please contact the Conference Organiser to discuss your individual requirements.

International Programme Committee:

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- Yoo-Sang Choo, National University of Singapore, Singapore
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Bremen

Bremen, the cosmopolitan city on the Weser river, has a maritime flair as one of Europe's oldest trading and sea ports. Rich in historic sights, traditional cafés, bars & restaurants, as well as a contemporary lifestyle, the city has main a market square that is a UNESCO World Heritage Site. Bremen is also famous for the Brothers Grimm fairy tale "The Bremen Town Musicians", the exceptional architecture of historic Bottcherstrasse and the imposing cathedral in the unique Schnoor quarter. This 15th & 16th century neighbourhood is a pedestrian zone of narrow streets lined with small buildings jostling each other for space. Formerly tradesmen's houses, today they contain fashionable shops & restaurants.



Further Information:

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Papers Accepted for ICCAS 2015, Bremen:

USE OF SIMULATION FOR COMPLEX SHIP MANOEUVRES AS APPLIED TO UNDOCKING OF QUEEN ELIZABETH CLASS AIRCRAFT CARRIERS, Doug Milne, Operations Support Manager, Babcock, UK

KEY CAD ENHANCEMENTS TO FIT SUBMARINE DESIGN REQUIREMENTS, Rodrigo Perez, Carlos Gonzalez, SENER, Spain

DEVELOPMENT OF FE PRE-PROCESSING SYSTEM FOR WELDING DEFORMATION ANALYSIS OF FULL SHIP MODEL, Myung Su Yi, Yun Sok Ha, Chung Min Hyun, Material Testing & Production CAE Research Part, Central Research Institute, SAMSUNG Heavy Industries, Co. Ltd., Korea

INFORMATION MODELLING FOR TRACKING MODIFICATIONS IN CLASSIFICATION PROCESS, Shu Zhang and Jörg Rebel, DNV GL - Maritime, Section Safety Research, Hamburg, Germany

DESIGN DEFINITIONS OF FLIGHT DECK LAYOUT FOR HELICOPTER AVIATION OPERATIONS USING SIMULATION METHODS, Dr. B Ferrier, Hoffman Engineering Corporation, Dynamic Interface Laboratory, USA, Dr. J Duncan, MOD, DE&S HQ, Ships Operating Centre, UK, Mr. R. Ernst, NAVAIR PMA 266, Patuxent River, USA

SHIP MOTION PREDICTION USING SIMULATION - TECHNOLOGY DEVELOPMENTS AND RESULTS FROM A DEDICATED ROYAL NAVY SEA TRIAL, Dr. B 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

DETERMINING SHIP OUTFITTING TASK PRIORITIES USING LATEST FINISH TIME DISTRIBUTIONS, Christopher Rose, TU Delft, Netherlands, Jenny Coenen, 3ME, Netherlands

OPTIMIZATION OF BALLAST WATER MANAGEMENT SYSTEM INSTALLATION PROCESS BY 3D ENGINEERING TECHNOLOGY, Junichi Hirata Practical R&D Promotion Division, ClassNK, Tokyo, Japan

GENERATION AND SUPPRESSION OF DIMPLES IN MULTI-SQUARE-PUNCH FORMING PROCESS FOR DOUBLY CURVED SHIP HULL PLATE FORMING, Yijie Cai, Wuhan University of Technology, China

COMPUTER AIDED STRUCTURAL DESIGN OPTIMIZATION IN SELECTION OF A T-SECTION WITH UNIFORM STRENGTH, Joseph Praful Tomy, B.Tech (Naval Architecture & Ship Building), Cochin University of Science & Technology Assistant Manager (Design/Hull), Goa Shipyard Limited, India

ENERGY SIMULATION FOR WASTE HEAT RECOVERY SYSTEMS, Jörg Lampe, DNV GL SE, Germany

ANALYSIS OF PROPELLER WAKE FIELD FOR TWISTED RUDDER DESIGN, YoungEe Shon, BongJun Chang, JiMyoung You, BumWoo Han, Hyundai Maritime Research Institute, Hyundai Heavy Industries Co., Ltd, Korea

REMANUFACTURING IN SHIP REPAIR - A REVIEW OF POSSIBILITIES, Kim Jansson, VTT Technical Research Centre of Finland, Finland

TOOL FOR EVALUATION OF OPERATING ECONOMY AND ECOLOGY IN SHIP CONCEPT DESIGN, Saara Hänninen, Risto Tuominen, Susanna Kunttu (VTT Technical Research Centre of Finland Ltd) and Mia Elg (Deltamarin Ltd)

RESEARCH ON INFORMATION MATCHING CORRELATION TECHNOLOGY FOR THE MANUFACTURING ASSEMBLY OF HULL ASSEMBLAGE, ZhiChao Chen, Jiangsu University of Science and Technology, China

3D PRODUCTION PLANNING SYSTEMS AND THE DATABASE, Kenji DOI, Japan Marine United Corporation, Information Systems Group, Technology Administration Department, Japan

DIGITAL MOCK-UPS AND WORKING SIMULATION ON MIXED REALITY, Motochika NAGANO, Japan Marine United Corporation, Tsu Systems Team, Technology Administration Department, Japan

A NEW INTEGRATION METHOD TO COMPOSE A SINGLE VIRTUAL SHIP DESIGN SYSTEM FROM INDEPENDENT COMPONENTS, Herbert Koelman, SARC, The Netherlands, Jan van der Zee, CONOSHIP, The Netherlands, Theodoor de Jonge, NUPAS-CADMATIC, The Netherlands

THE INTEGRATION OF HUMAN FACTORS INTO PRELIMINARY RISK-BASED SHIP DESIGN, A. Piperakis, R. Pawling, D. Andrews, UCL Design Research Centre, UK

INTEGRATED SYSTEM SIMULATION AND DEPENDABILITY ANALYSIS IN MARITIME INDUSTRY, Erich Rüde, DNV GL, Germany

PARAMETRIC CALCULATIONS IN PRODUCTION DESIGN OF THE PROPULSION MACHINERY, Yuriy Batrak, Roman Batrak, Dmytro Berin, Intellectual Maritime Technologies, Ukraine

HIGH QUALITY HULL FORM REPRESENTATION BASED ON SUBDIVISION SURFACES, Sebastian H. Greshake, Robert Bronsart, University of Rostock, Germany

RESEARCH ON THE COMBINATORIAL OPTIMIZATION PROBLEM AND PSO BASED SOLUTION IN SHIP BLOCK LIFTING DESIGN, Rui Li, PhD, Lecturer, School of Naval Architechture, Dalian University of Technology, China

INTEGRATED SOFTWARE APPLICATION FOR E-APPROVAL OF SHIP & OFFSHORE CLASSIFICATION, Triyan Indrawan and Topan Firmandha, Researcher at Biro Klasifikasi Indonesia

RESEARCH OF CHARACTERISTIC OF WRINKLING IN COLD FORMING PROCESS FOR SHIP FRAME PART BASED ON NUMERICAL SIMULATION, LIPei-yong, SongJun-jie, WANGCheng-fang, MAOYun-sheng, Zhouyongqing, Xiangzuquan, Wuhan University of Technology, China

ACCURACY CONTROL OF HATCH COVER USING PRECISE MEASUREMENT TECHNIQUE, Ryogo Abe, Kokusai Kogyo Co., Ltd., Japan, Kunihiro Hamada, Noritaka Hirata, Hiroshima University, Japan, Ryotaro Tamura and Nobuaki Nishi, Tsuneishi Shipbuilding Co., Ltd. Japan

DEVELOPMENT OF PRODUCT MODEL DATA EXCHANGE BETWEEN DIFFERENT 3D CAD SYSTEMS IN JAPANESE SHIPYARDS, Tokimasa Hiraki ,Mitsubishi Heavy Industries, Ltd., Yoichi Nakao, Oshima Shipbuilding Co.,Ltd., Yasuaki Ohtsuki, Tuneishi Shipbuilding Co.,Ltd., Kohki Maeda , SEA Soken, Mitsuhiko Kidogawa, Class NK, Ken Itoh, CIM Creation

DIGITAL MANUFACTURING BASED ON 3D DESIGN INFORMATION, Tokimasa Hiraki, Mitsubishi Heavy Industries, Ltd., Yuji Mimori, Mitsubishi Heavy Industries, Ltd., Japan

INTERNATIONAL SIMULATION OF REPLENISHMENT AT SEA USING VIRTUAL SHIP STANDARDS, Dr Gary Henry, Other co-authors will be from Canada, Germany, Italy and the UK, SEA, UK

A BILL OF MATERIAL OF INTEGRITY: ALIGNING CAD AND PDM, Stephen Cattanach, BAE Systems Naval Ships, UK

DATA GOVERNANCE AND DESIGNING WARSHIPS, Tony Wallis, BAE Systems Naval Ships, UK

CABLE ROUTING IN CRUISE SHIP DESIGN, Matti Juntunen, NUPAS-CADMATIC, Finland

BUSINESS AND INFORMATION MANAGEMENT ARCHITECTURES FOR DELIVERING PRODUCT LIFECYCLE MANAGEMENT (PLM), Daniel McKendry, BAE Systems Naval Ships, UK

COST REDUCTION IN BASIC SHIP DESIGN SUPPORTED BY A SINGLE STRUCTURAL MODEL - A PRACTICAL APPROACH, Augusto Gómez, Francisco José Regueira, SENER INGENIERÍA Y SISTEMAS, Spain, George Korbetis, BETA CAE Systems SA, Greece

AUTOMATED INTEROPERABILITY FROM CONCEPT DESIGN TO MULTIDISCIPLINARY FE ANALYSIS, George Korbetis, Serafim Chatzimoisiadis, Dimitrios Drougkas, BETA CAE Systems S.A., Greece

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PROJECT INNOVATION FOR HULL DESIGN AT SAMSUNG HEAVY INDUSTRIES, Byeong-Seog Kang, Samsung Heavy Industries, Mr Mutsuhito Kidogawa, ClassNK Christian Cabos, DNV-GL, Bernd Tietgen, DNV-GL, Tapio Hulkkonen, NAPA Ltd.

DEVELOPMENT OF AUTOMATIC CONTROL SYSTEM FOR WELDING DEFORMATION IN DESIGN PHASE OF SHIP AND OCEAN PLANT PRODUCTION, Hojung Kim, Heeyoung Heo, Junggoo Park and Seokhee Won, IT Based Production Research Part, Central Research Institute, SAMSUNG Heavy Industries, Co. Ltd., Youngdeok Park, Accuracy & Engineering Part, Hull Fabrication Team, SAMSUNG Heavy Industries, Co. Ltd.

RESEARCH ON SHIPBUILDING INDUSTRY VENDOR EVALUATION METHOD BASED ON DATA MINING, Kai Li, Ming Chen, Yan Lin, School of Naval Architecture and Ocean Engineering and Ship CAD Engineering Center, Dalian University of Technology, China

HOW MOBILE DEVICE TECHNOLOGY CAN INCREASE PRODUCTIVITY IN SHIPBUILDING, Stéphane Neuvéglise, Head of Solution Business Strategy, AVEVA Solutions Ltd

REGENERATING HULL SURFACE DEFINITION FROM LASER POINT CLOUDS, Marcus Bole, Naval Architect, AVEVA Solutions Ltd, Guiseppe Tringali (TBC), General Manager, Knud E. Hansen A/S

DESIGN IN CONTEXT- AUGMENTED DESIGN,

David Thomson, Solution Strategy Manager, AVEVA Solutions Ltd

DESIGN INTEGRATION - WHY A GOOD LONG-TERM STRATEGY IS ALSO A GOOD SHORT-TERM GROWTH TACTIC, Steve Insley, Solution Business Manager, AVEVA Solutions Ltd

INTUITIVE WELD MANAGEMENT: LEVERAGING 3D MODELS AND VISUALIZATION, D Morais, M Waldie, and D Larkins, SSI, Canada

PHYSICS-BASED SIMULATION FOR PRODUCTION AND INSTALLATION OF SHIPS AND OFFSHORE PLANTS, Myung-Il Roh, Sol Ha, Namkug Ku, Seung-Ho Ham, Seoul National University, Korea

A SINGLE 3D PRODUCT DATA MODEL: A CONSISTENT SOURCE OF TRUTH THROUGHOUT THE SHIP DESIGN PROCESS, Darren Larkins, M Waldie, and D Morais, SSI, Canada

SHIP WORK BREAKDOWN STRUCTURES THROUGH DIFFERENT SHIP LIFE CYCLE STAGES, Malay Pal, Director - Shipbuilding, Siemens Industry Software

AUTO-GENERATION OF HULL STRUCTURE DRAWINGS FOR CLASS APPROVAL, Alfonso Cebollero, Sener Ingeniería y Sistemas S.A., Spain, Min-Bong Park, Sener Korea Engineering and Systems Co., Ltd., Korea

APPLICATION OF 3D TOOLS TO BALLAST WATER MANAGEMENT SYSTEM RETROFIT, Shigeru Kasai, Sener Japan Engineering and Systems K.K., Japan, Koji Kawamura, Sener Japan Engineering and Systems K.K., Japan

RESEARCH ON 3-DIMENSIONAL STABILITY CALCULATION BASED ON CATIA, Zhang Mingxia, Chen Ming, Cui Yang, Lin Yan, Ship CAD Engineering Center, Dalian University of Technology, China

STEREO 3D PRESENTATION OF SHIP STRUCTURES USING LOW COST HARDWARE, Gordan Sikic, Head of development, USCS doo, Croatia

LIFECYCLE DESIGN SYSTEM FOR A FLOATING PRODUCTION STORAGE AND OFFLOADING VESSEL (FPSO) BY PLANNING OF UPGRADING WITH CONSIDERATION OF LIFECYCLE SCENARIO, Duseok Jeong, Yasushi Ueda, Kazuya Oizumi and Kazuhiro Aoyama, University of Tokyo, Japan

MONITORING SYSTEM FOR ADVANCED SHIPBUILDING CONSTRUCTION MANAGEMENT: EXTRACTING AND UTILIZING MONITORING DATA BY CONSIDERING THE RELIABILITY OF MONITORED DATA, Yusei Hiro, Jie Liu, Kohei Arai and Kazuhiro Aoyama, University of Tokyo, Japan

INITIAL DESIGN AND SHAPE OPTIMISATION OF A FPSO HULL IN VIEW OF HYDRODYNAMIC CHARACTERISTICS, Bo-Young Chung, Hyundai Heavy Industries, Korea

THE DIGITALIZATION OF SHIPBUILDING, LAUNCHING A NEW ERA IN PRODUCTIVITY AND SHIP PERFORMANCE, Tim Nichols, Siemens PLM Software, USA, Glenn Ashe, President, American Society of Naval Engineers, USA

AR APPLICATION DEVELOPMENT FOR PIPE INSTALLING ASSISTANCE, Kohei Matsuo, National Maritime Research Institute, Japan

SHIP LIFE CYCLE VALUE MAXIMIZATION WITH FLEXIBLE DESIGN FOR RETROFIT AND MODIFICATION, Kazuo Hiekata , Taiga Mitsuyuki, Hiroyuki Yamato, Kyohei Koyama, Tomoki Saito and Sinnosuke Wanaka, The University of Tokyo, Japan

DEVELOPMENT OF SHIP PERFORMANCE DATA MANAGEMENT SYSTEM COMBINING EXPERIMENT DATA AND MEASURED DATA IN ACTUAL SEA, Taiga Mitsuyuki, Hiroyuki Yamato, Kazuo Hiekata, Shinnosuke Wanaka and Masakazu Enomoto, The University of Tokyo, Japan

PROCESS AND KNOWLEDGE INTEGRATION VIA PORTALS IN SHIP BUILDING, Bhavik Thakker, Jeroen Kaarsemaker, Andi Asmara, Royal IHC, The Netherlands Jenny Coenen, TU Delft, The Netherlands

SHIP SCALE CFD FREE SINK&TRIM SELF-PROPULSION SIMULATION AND IT'S DIRECT COMPARISON TO SEA TRIALS, Constantinos Zegos, Dr. Dmitriy Ponkratov, Technical Investigation Department (TID), Lloyd's Register, UK

DATA MINING TO PREDICT HYBRID LASER ARC WELDING IMPROVEMENTS IN SHIP ASSEMBLY, Damir Kolich, University of Rijeka, Croatia

ASSESSMENT OF INTERMEDIATE BENDING MOMENTS FOR DAMAGED HULL GIRDERS USING A PROGRESSIVE FLOODING ALGORITHM, José Miguel Rodrigues, Carlos Guedes Soares, Centre for Marine Technology and Engineering, Portugal

INFLUENCE OF BLOCK BUILDING METHOD ON OUTFITTING EFFICIENCY AT AN ASSEMBLY SHIPYARD, Lauri Kujala, Matti Nallikari, Arctech Helsinki Shipyard Oy, Finland, Henri Tokola, Heikki Remes, Aalto University, School of Engineering, Finland

HULL FORM DESIGN OPTIMISATION FOR IMPROVED EFFICIENCY AND HYDRODYNAMIC PERFORMANCE OF 'SHIP-SHAPED' OFFSHORE VESSELS, Joo Hock ANG, Sembawang Shipyard Pte Ltd (A subsidiary of Sembcorp Marine), Singapore and University of Glasgow, School of Engineering, UK, Cindy GOH, Yun LI, University of Glasgow, School of Engineering, UK

OPTIMIZATION OF SHIP DESIGN AND PRODUCTION IN A US SHIPYARD BY USING AN ADVANCED CAD/CAM SYSTEM, Fernando Malabet, EASTERN SHIPBUILDING GROUP, Florida/USA, Zanesar Islam, EASTERN SHIPBUILDING GROUP, Florida/USA, Veronica Alonso, SENER, Madrid/Spain, Rodrigo Perez, SENER, Madrid/Spain, Samuel Martinez, EASTERN SHIPBUILDING GROUP, Florida/USA

RAPID MESH GENERATION FOR HYDRODYNAMIC ASSESSMENTS, Michael Johnson, Nigel White, Neil Southall, Lloyd's Register, Southampton UK, Tom Macadam, Yibo Li, Frank Lin, Lloyd's Register Martec, Halifax, Canada

INTEGRATED SYSTEM COMPLETION: A MOBILE PERSPECTIVE, Mike Montgomery, Intergraph, United States, Marcel Veldhuizen, Intergraph, Netherlands

HOW INTERGRAPH SMART™ YARD LEVERAGES THE ENGINEERING DESIGN BASIS TO IMPROVE WORK PROCESSES ACROSS THE PROJECT LIFE CYCLE, Jeff Bashir Intergraph, Singapore, Charlotte Hughes, Intergraph, United States

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, Rachel Yee, Intergraph, Singapore, Hannu Kakela, Nestix, Finland

EXECUTING SHIP DETAILED DESIGN, PLANNING, AND MANUFACTURING ACROSS MULTIPLE SITES: A DETAILED CASE STUDY OF A DANISH (OMT) AND CANADIAN (ISI) PROJECT, Davide Guzzi, Intergraph, United States, Poul E. Mathiasen, Irving Shipbuilding, Inc., Canada

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PRODUCTION PLANNING WITH MULTIPLE SOURCES OF DESIGN DATA, Hoonsik Jeong, Intergraph, South Korea, YunSung Chang/Ph.D., Samsung Heavy Industry, South Korea

MODEL REUSE: THE LINK BETWEEN 3D MODELS FOR BASIC DESIGN AND 3D MODELS FOR DETAILED AND PRODUCTION DESIGN, Michael A. Polini, Intergraph, United States, Tapio Hulkkonen, Napa, Ltd., Finland

PARAMETRIC HULL FORM GENERATION OF MERCHANT SHIPS, Manuel Ventura, Centre for Marine Technology and Ocean Engineering (CENTEC), Instituto Superior Técnico, Universidade de Lisboa, Portugal

DESIGN FOR SUPPORT IN THE INITIAL DESIGN OF NAVAL COMBATANTS, S Esbati, D J Andrews and R J Pawling, Design Research Centre, Department of Mechanical Engineering, University College London, UK

JOINT OPERATION FOR ULTRA LOW EMISSION SHIPPING, Rolf Nagel, Project Manager JOULES-Project, Flensburger Schiffbau-Gesellschaft, Germany

CHALLENGES OF EQUIPMENT SUPPLIER MODELLING FOR THE JOULES PROJECT, Stefan Hughes, Lead Engineer - JOULES, Rolls-Royce PLC, UK

MEASURES TO ENABLE THE PERFORMING OF SYSTEM SIMULATIONS IN A JOINT RESEARCH PROJECT, Christoph Thiem, TUHH, Germany

URBAN FERRIES: COMBINING TECHNOLOGIES AND OPERATIONAL PROFILES, Arthur Vrijdag, Sandor Ivancsics, Deniz de Koningh, Damen Shipyards Gorinchem, Netherlands

LIFE CYCLE PERFORMANCE ASSESSMENT - METHOD AND TOOL FOR DECISION MAKERS, Markus Lehne, BALance, Germany, Christian Norden, BALance Technology Consulting GmbH; Germany, Dr. Stephan Wurst, BALance Technology Consulting GmbH; Germany, Rolf Nagel, Flensburger Schiffbau-Gesellschaft mbH & Co. KG, Germany

ADVANCED WHOLE SHIP ANALYSIS - A NEW GENERATION OF FE BASED STRENGTH ANALYSIS FOR CONTAINER VESSELS, O. Doerk, J. Rörup, Christian Cabos, DNV GL, Germany

EASY APPLICATION OF SIMULATION AT SMALL AND MEDIUM SIZED SHIPYARDS' PLANNING PROCESS, Deepak Narayanan, Center of Maritime Technologies e.V, Germany

THE USE OF PRODUCT LIFECYCLE MANAGEMENT IN THE DESIGN AND MAINTENANCE OF COMPLEX NAVAL ASSETS, Gavin Hamilton, ASC Pty Ltd, Australia

WELDING MANAGEMENT IN SHIPBUILDING & OFFSHORE, José Sánchez-Arévalo, Sener Ingeniería y Sistemas, S.A., Spain, Guangwu Liu, Sener Ingeniería y Sistemas, S.A., China, Antonio Valderrama, Sener Ingeniería y Sistemas, S.A. - Spain

EFFICIENT MANAGEMENT OF SIMULATIONS IN VIRTUAL REALITY ENVIRONMENTS, Luis Sánchez, Sener Ingeniería y Sistemas S.A., Spain

SCHEDULING FOR ASSEMBLY SITES IN SHIPYARDS USING LINEAR OPTIMIZATION, Jan Niklas Sikorra, Institute of Production Management and Technology (Hamburg University of Technology), Germany

VIRTUAL SHIP: AN INTEGRATED DESIGN ENVIRONMENT FOR OPTIMAL SHIP ARCHITECTURE, Benoit Rafine, Head of Complex System Modelling Department, DCNS Research, France

ACCESSIBLE IMMERSIVE VISUALISATION FOR SHIPBUILDING, Andrew Connell, Director of Technology, Virtalis Ltd., UK, John Martin, Director, SAMOSC Ltd.,

RESEARCH ON MPF PROCESS USING PUNCHES WITH HEMISPHERIC HINGE HEAD, JIA Bin-bin, WANG Wei-wei, ZHAO Chen, School of Material Science and Engineering, Harbin Institute of Technology, China

PRODUCT LIFECYCLE MANAGEMENT IN THE SHIPBUILDING AND SHIPPING INDUSTRIES - AN UPDATE, Matthias Grau, Lars Wagner, PROSTEP, Germany, Christian Cabos, DNVGL, Germany

MODEL BASED STRATEGIES FOR SHIPBUILDING, LCDR Randy Langmead USN (Ret.) and Director - Siemens Industry Software, Donald Gillikin, Business Consultant - Shipbuilding/Offshore Siemens Industry Software, USA

DEVELOPMENT OF SEATRIAL ANALYSIS SOFTWARE ACCORDING TO THE NEW ISO 15016 AMENDMENTS, Beom Jin Park, Myung Soo Shin, Gyung Jung Lee, Min Suk Ki, Korea Research Institute of Ships and Ocean Engineering (KRISO)

HOW TO REALIZE ON-TIME DELIVERY AND COST SAVINGS IN MARINE AND OFFSHORE PROJECTS?, Tom KALKMAN, KEONYS, France

INTEGRATION OF MARKET UNCERTAINTY IN SHIP'S DESIGN SPECIFICATION, Romanas Puisa, Brookes Bell, UK

TURNING ABILITY OF A TANKER IN SHALLOW WATERS UNDER PRONOUNCED ENVIRONMENTAL EFFECTS, A V Saj, D Poojari, A R Kar, Indian Register of Shipping, India

DESIGNING SHIPS FOR SERVICE WITH THE HELP OF SHIP PERFORMANCE MONITORING, Dr Kenta Koike, Manager, Sanoyas Shipbuilding Corporation, Japan, Mr Jan Furustam, Product Manager, Napa Ltd, Finland, Mr Ilmo Kuutti, Senior Vice President, Napa Ltd, Finland, Mr Naoki Mizutani, Managing Director, Napa Japan Ltd, Japan

NUMERICAL ANALYSIS OF THE HYDRODYNAMIC BEHAVIOUR OF PLANING HULLS IN SHALLOW WATER USING A 2D+T METHOD, Hendrik Haase, Jan Philip Soproni, Moustafa Abdel-Maksoud, Hamburg University of Technology, Institute for Fluid Dynamics and Ship Theory, Germany

3D MARITIM - SUPPORTING TECHNOLOGY TRANSFER FOR 3D GRAPHICS, Uwe Freiherr von Lukas, Fraunhofer IGD, Rostock, Germany, Ingo Staack, ThyssenKrupp Marine Systems GmbH, Kiel, Germany, Volker Köhler, MarineSoft GmbH, Rostock, Germany

APPLICATION OF MULTI-USER PART AND ASSEMBLY SYNCHRONOUS MODELING AND DESIGN COLLABORATION TO SHIPBUILDING, Dr. C. Greg Jensen, Senior Vice President, CAD Alliance, Provo, UT, USA, djunct Professor, Department of Mechanical Engineering, Brigham Young University, Provo, UT, USA

HULL STRUCTURAL WEIGHT OPTIMIZATION WITH POT (PARAMETRIC OPTIMIZATION TOOL) ABSTRACT, Engin Balli, Atkins, UK

This is a preliminary programme, stating only the papers that have been accepted by the Committee. The complete selection of abstracts, and a full programme detailing the three concurrent streams, will be available on the event's website: www.rina.org.uk/ICCAS-2015

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International Conference ICCAS 2015

29 SEP-1 OCT 2015, BREMEN, GERMANY

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The registration fee includes printed conference papers, lunch, refreshments, reception, Conference Dinner, a CD of the papers and presentations after the conference.			
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CONFERENCE PAPERS Delegates will receive a copy of the conference CD-ROM which will include the presentations, this will be posted out around 10-12 weeks after the conference.			
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CONFERENCE DINNER & EVENING DRINKS RECEPTION Following the end of day one (29th September), delegates are invited to attend an evening dinner at the conference venue. Following the end of day two (30th September), delegates are invited to attend an evening drinks reception at the conference venue.			
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