Time	Tuesday 20th September		
	Stream A	**Stream B**	**Stream C**
8.30-9.30	Registration		
9.3010.10	Formal Opening		
10.10-10.45	Invited Paper		
10.45-11.15	Coffee		
	Sponsored speech by Altair		
11.15-11.50	**Openfoam's Cfd Workbench And Its Integration Into The Initial Design Process** *R.Bronsart, L.Kleinsorge, University Of Rostock, Germany*	**Capital Project Lifecycle Management (Cplm) Vs. Product Lifecycle Management (Plm) For Shipbuilding, Marine And Offshore Industries** *M.Veldhuizen – Intergraph, The Netherlands*	**Development of Fully Automatic Re-Design System For Sub-Assembly Part Fabrication of Ship Blocks** *J.G. Park, M.S. Yi , Y.S. Ha, T.W. Jang-Welding Research Part, Samsung Heavy Industries,Korea*
11.50-12.25	**A CATIA® Ship-Parametric Model For Isogeometric Hull Optimization With Respect To Wave Resistance** *P A.I. Ginnis, C. Feurer, K.A. Belibassakis, P.D. Kaklis - NTUA And K.V. Kostas, Th.P. Gerosthathis, C.G. Politis - TEI Athens, Greece*	**Product Lifecycle Management In The Shipbuilding And Shipping Industries** *C. Cabos - Germanischer Lloyd, Germany*	**Development of A Lot Formation System For A Flow Shop Layout Line In Shipbuilding** *K. Fukumoto, Y.Saitoh, R.Itoh, H.Wakita, J.Matsuno -Kawasaki Heavy Industries, Ltd., Japan*
12.25-13.30	Lunch		
	Sponsored speech by DASSAULT SYSTEMES		
13.30-14.05	**The Study On Ship Compartments Arrangement Optimization With Knowledge-Based Systems** *B.Y. Chung – Pusan National University,Korea*	**An Effective Approach For Developing An Integrated Cad And Erp System In Hull** *Lin Cheng-Kuan-CSBC Corporation, Taiwan*	**Development of The Algorithm For Accuracy Evaluation System For Curved Shell Plates By Laser Scanner** *N.Nakagaki, A.Sugawara-Sumitomo Heavy Industries Marine&Engineering Co.Ltd.And K.Hiekata, H.Yamato,M.Enomoto And K.Takahashi – The Univesity Of Tokyo, Japan*
14.05-14.40	**A Process Focused Approach To ERP Integration With CAD** *D Larkins, ShipConstructor Software Inc., Canada P Roberts, ShipConstructor Software USA Inc.*	**System Engineering For Shipbuilding** *R. Pavkovic, P.Barbarin – PTC, France*	**Dynamic Control Of A Flexible Shipbuilding System Under CONWIP Discipline** *F. Dong, M.Van Oyen,D. Singer-University Of Michigan, USA*
14.40-15.10	Coffee		
	Sponsored speech by PTC		
15.10-15.45	**How Can The Most Efficient Design Recourses From All Over The World Be Easily Utilized?** *M. Juntunen - Cadmatic Oy*	**Applying Agile Methodologies To Marine Implementation Projects** *P. Mcfadden, S. Yamauchi - Intergraph Corporation, U.S.A.*	**Application Of Welding Robot Technology To Shipbuilding** *T. Shinohara- Universal Shipbuilding Corporation, Japan*
15.45-16.20	**Application Of 3D CAD System As The Design Tool - Development Of Design Function Of Longitudinal Stiffeners Arrangement On Shell Plate At Fore And Aft Parts Of Ships** *Takakazu Nakamori - Namura Shipbuilding Co., Ltd, Japan*	**An Integrated System For Ship Construction Projects Control** *F.Pires Jr - Federal University Of Rio De Janeiro, Brazil*	**Development Of "Block Lifting Simulation System" With Ship 3D-CAD Model** *Y.Miura - Universal Shipbuilding Corporation, Japan*
16.20-16.55	**A Contribution To Scenario Based Ship Design** *R. Bronsart, J. Wagner - University Of Rostock,Denmark*	**Shipbuilding Contract Risk Monitoring And Management L.** *F. Guimaraes – Petrobras, Brazil*	**Improving Assembly Planning Simulation With The Use Of Virtual Reality In The Maritime Industry** *A.Friedewald - Technische Univerität Hamburg, Germany*
	Sponsored speech by AVEVA		
17.30-20.00	**Evening Buffet Reception, kindly sponsored by AVEVA**		

Time	Wednesday 21st September		
	Stream A	**Stream B**	**Stream C**
	Sponsored speech by SIEMENS		
9.00 – 9.35	**Efficient Integration Of 3D Design With Engineering At The Early Design Stages** *I.Kuutti, N.Mizutani, H.S. Kim – Napa Ltd, Finland*	**Business Integration Between CAD/CAM And ERP Systems In Shipbuilding Industry***y Li Rong And Soonhung Han – KAIST,S.Korea*	**Developing And Using An Innovation And Engineering Maturity Model To Identify Competence Development***k. Jansson – Technical Research Centre Of Finland, VTT*
9.35 – 10.10	**A New System Structure To Improve Documentation Processes Tender Phase** *E.Moredo And P. De Vos – Delft University Of Technology and M.. Krikke – Scheepsbouw Nederland*	**An Approach To Accessing Product Data Across The Shipbuilding Ecosystem** *M Pal – Siemens Industry Software, India*	**The Role Of Social Computing In Shipbuilding** *D.Thomson – AVEVA,UK*
10.10-10.45	**Coffee**		
	Sponsored speech by SENER		
10.45 – 11.20	**Intelligent Ship Arrangements: Reseeding Scheme Development And Effectiveness** *M.C. Parker,D. J.Singer, A.S. Daniels – University Of Michigan, USA*	**A Neutral XML Schema For Basic Design Stage Interface To Class Societies** *M. Polini – Intergraph Corp, USA*	**Decomposing Ship Arrangements Using Signed Networks,** *J W Gillespie, A S Daniels, and D J Singer, University of Michigan, USA*
11.20 - 11.55	**A Cost Effective Process For Simulation Based Design In Shipbuilding** *J. Martin, UK*	**Communication Processes In Shipbuilding Based On Intelligent 3D PDF Documents** *G.Willmes - PROSTEP AG, Germany*	**Improved Estimating As A Basis For Shiprepair Project Control** *G. Bruce -University Of Newcastle Upon Tyne, UK*
11.55-13.00	Lunch		
	5 minute speech by SHIPCONSTRUCTOR		
13.00- 13.35	**High Precision Basic Design** *K.Hirai - Oshima Shipbuilding Co. Ltd, Japan*	**Advanced CAD - PLM Integration In A Naval Shipbuilding Environment** *F.Alonso and C.Gonzalez - SENER Ingeniería Y Sistemas S.A., Spain*	**Sliding Mode Controller For Salvaging Of Sunken Vessels***n. Srinil,Arun Kumar. D. -University Of Strathclyde,UK*
13.35 – 14.10	**Simulation Driven Structural Design In Shipbuilding** *A. Dodkins, T. Goodwin - BAE Systems, UK*	**How Integrated Design Can Make Electrical Engineering A More Efficient Process** *C. Wilby, D.Gibson – AVEVA,UK*	**Tank Inspection By Cost Effective Rail Based Robots***I.Christensen,J.Lemburg,F. Kirchner - DFKI, N.Fischer,R.Ahlers - Balance TC,G.Psarros - DNV And L.E.Etzold - Meyer Werft*
14.10-14.45	Coffee		
	Sponsored speech by BETA CAE SYSTEMS		
14.45 - 15.20	**Total Design Optimization In Initial Design Stage Based On Single 3D Ship Model** *T. Nakamatsu And K. Mizutani - Sanoyas Hishino Meisho Corporation And N. Mizutani- Napa Japan Ltd*	**Integrated Shipbuilding Strategy** *S. Neuvéglise – AVEVA,UK*	**Adoption Of 3D Hull Maintenance Software In Ship Operation** *C. Cabos - Germanischer Lloyd, Germany*
15.20 - 15.35	**Using Flight Simulation To Improve Ship Designs For Helicopter Operations***c.H. Kääriä, J.S. Forrest, I. Owen - University Of Liverpool, UK*	**Automatic Generation Of Manufacturing Drawings BOM Using A Ship-Building Cad System** *A. Olmos - Navantia, Spain*	**A Tool For The Assessment Of The Operability Of Ship Systems In Ccordance With Solas Safe Return To Port Requirements***a. Douglas, L. Guarin, J. Logan - Safety At Sea Ltd And J. Cichowicz, University Of Strathclyde, UK*
15.45 - 16.10		**Introducing An Integrated Schematics, Engineering And 3D Database Concept** *A. Crippa S.Seçen And B.Aldridge – AVEVA,UK*	
	Sponsored speech by ESTECO		
16.20-	**Evening Drinks Reception, kindly sponsored by Esteco**		

Time	Thursday 22nd September		
	Stream A	**Stream B**	**Stream C**
	Sponsored speech by VIRTALIS		
9.00 – 9.35	**Naval Operations' Assessment Through HLA Based Simulations** *D. Tozzi – CETENA,Italy*	**Engine Room Pipeline Arrangement With Consideration Of Equipments Operability Space By Genetic Algorism** *Chung-Hung Lin- Nationanl Cheng Kung University, Taiwan*	**Lean Manufacturing In Shipbuilding With Monte Carlo Simulation** *D.Kolich-University Of Rijeka,Croatia*
9.35 – 10.10	**Prudent Platform For Multidisciplinary Ship Design Exploration, Analysis And Optimisation** *R. Puisa And K.Mohamed – University Of Strathclyde,UK*	**Automatic Designing System For Piping And Instruments Arrangement Including Branches Of Pipes** *H.Kimura – Kyushu University, Japan*	**Monitoring System For Sub-Assembling-Shop To Manage Effective Construction** *K.Aoyama – University Of Tokyo, Japan*
10.10 – 10.45	**Optimization Of Block Division Considering Information Uncertainty** *K.Varikkattu, K.Hamada, M.Kitamura-Hiroshima University, Japan*	**Efficient Design Of Outfitting & Machinery Spaces** *R De Góngora, SENER, Ingeniería Y Sistemas S.A., Spain*	**Development Of Layered DES (Discrete Event Simulation) Framework For Ship Production Simulation** *B.Goo, H.Chung, C.Nan – KAIST, Korea*
10.45-11.15	Coffee		
	Sponsored speech by CADMATIC		
11.15 - 11.50	**Integrated Design And Multi-Objective Optimization Approach To Ship Design***a. Papanikolaou, G N. Zaraphonitis NTUA,Greece, S. Harries-FRIENDSHIP SYSTEMS Gmbh And M. Wilken-Germannischer Lloyd AG. ,Germany*	**True Benefits Of 3D Design** *J. Baumer - Intergraph Corporation And Y.G. Kim - Samsung Heavy Industries, Korea*	**Integrated Software-In-The-Loop Simulation Of An Autonomously Acting Rescue Boat** *R. Bronsart, T. Buch, M. Haase, E. Ihde, N. Kornev, M. Kurowski, B. Lampe - University Of Rostock, Denmark*
11.50 - 12.25	**3D Model Based User-Friendly & Practical Application For Creating Stability Documents Supporting Statutory Rules***m.Kidogawa, T.Takamoto - Nippon Kaiji Kyokai (Classnk), Japan And T.Masui, J.Furustam - Napa Ltd,Finland*	**Quality Improvement Of Hull And Outfitting Designs Using 3D Model Reviews** *D.S. Baguio, Jr -Dash Engineering Philippines, Inc.*	**Cell-Based Discrete Event And Discrete Time Simulation For Advanced Evacuation Analysis Considering Passenger Behavior In An Emergency Of Passenger Ship** *S.Ha, K.P. Park, N.Ku, K.Y. Lee - Seoul National University, Korea*
12.25-13.30	Lunch		
13.30 - 14.05	**Fast Robust Design Optimisation Methods Applied To Ship Hydrodynamics***p. Geremia-Engys Srl,Italy And T. Schumacher, E.De Villiers-Engys Ltd, UK*	**The Electrical Design In A Highly Demanding Environment** *A. Olmos, A. Valderrama - Navantia, Spain*	**Integrated And Concurrent, Engineering And Cost Modelling, ForThrough-Life Asset Management Within The RNLI** *Walshe. J. H, Watson. D. A, Blake. J. I. R. And Nguyen. T. D.-RNLI, UK*
14.05 - 14.40	**Development Of Interactive Tool For Paint Quantity Estimation Of Ship Structures** *G.Sikic,M.Bistricic, D.Perkovic - USCS D.O.O, USA.*	**Innover Design Platform; Applied On Naval Ship Design** *A. Bons - Maritime Research Institute Netherlands (MARIN)*	**Lifecycle Decision-Making Under Uncertain Environmental Policy Using Nonstationary Markov Decision Processes** *N.Niese ,D.J. Singer - University Of Michigan ,USA*
14.40-15.10	Coffee		
15.10 - 15.45	**The Use Of A Fuzzy Logic Set-Based Design Tool To Evaluate Varying Complexities Of Late-Stage Design Changes** *T. A. Mckenney - University Of Michigan, USA*	**Integrated Development Environment In Shipbuilding Computer Systems** *A.Benayas And A.Cebollero - Sener Ingeniería Y Sistemas S.A., Spain*	**Optimization Of Torch Movements Of Marking Using Ant Colony Method** *H. Kunikubo - IHI Marine United Inc., Japan*
15.45 - 16.20	**Advancements In The Teaching Of Naval Architecture And Ship Design At Newcastle University Including Utilisation Of AVEVA Initial Design 12.0.** *N.H. Wright - Newcastle University, K.W. Hutchinson – Babcock International ,I.Applegrath AVEVA Solutions Ltd.*	**Practical Implementation Of The Most Advnaced Steel Outfitting CAD System** *B.C. Min, J.H. Park, M.K. Cho ,D.K. Lee, E.S. Kim . - Samsung Heavy Industries, Korea*	**Digital Manufacturing For Bending Ship Profile** *H.Yong, Li Peiyong ,W.Chengfang And Z. Xuezhu-Wuhan University Of Technology, Wuhan P.R.China*
16.20 - 16.55		**An Automatic Piping Algorithm Considering Elbows And Bends** *Y. Ando - Kyushu University, Japan*	**Doubly Curved Ship Hull Plate Forming By Reconfigurable Die With Square Press Head** *Hu Yong-School Of Transportation ,China*