

Sunday, 8 May 2016

17:00-19:00h Registration in Patria Palace Hotel

Monday, 9 May 2016

It's the Design Process, Stupid!: Koelman (SARC), Perez (Sener)

08:30h Abbasian, Gaspar (Ålesund Univ. College), Hoseini (TIAU), Brett (Ulstein)
Improving Early OSV Design Robustness by Applying Adaptive Distributed Clustering in Ship Lifecycle Big Data

08:55h Coraddu, Cleophas, Ivancsics (Damen Shipyard), Oneto (Univ. Genova)
Vessel Performance Monitoring based on Sensor Data Collection

09:20h Pawling, Piperakis, Andrews (UCL)
Applications of Network Science in Ship Design

09:45h Lundh, Mallam (Chalmers TU), MacKinnon (Memorial Univ.)
A General Arrangements Visualization Approach to Improve Ship Design and Optimize Operator Performance

10:10h Nordby, Hjelseth (Oslo School Architecture)
Efficient Use of Virtual and Mixed Reality in Conceptual Design of Maritime Work Places

10:35h coffee break

CFD – In the Cloud: Giordano (BETA CAE), Reyer (CPU 24/7)

11:00h Gentzsch (UberCloud), Purwanto (Numeca), Reyer (CPU 24/7)
Cloud Computing for CFD based on Novel CAE Software Containers

11:25h Mallol, Del Toro Lollens (NUMECA), Bertram (DNV GL)
Trends in CFD Illustrated Exemplarily for Competitive Sailing Yachts

11:50h Cannavacciuolo (CD-adapco)
A Novel Way to Harness Wind Energy on Ships: How CFD Helps Foster Innovation

12:15h Stewart (SEA)
International Replenishment at Sea: Achieving and Maintaining a Validated Simulation Capability

12:40h lunch

Simulation – Smart & Connected: Morais (SSI), Cannavacciuolo (CD-adapco)

14:10h Korbetis, Chatzimoisiadis, Drougkas (BETA CAE Systems)
Design Optimization using Fluid-Structure Interaction and Kinematics Analyses

14:35h DeNucci, Britton, Daeffler, Sabra (USCG), Hopman (TU Delft)
Multi-Objective Design Study for Future USCG Icebreakers

15:00h Fireman, Lossa, Singer (University of Michigan)
Fuzzy Logic Multi-Disciplinary Optimization (MDO) to Understand Human Factors on Early Stage Design

15:25h Prebeg, Rudan, Andric (University of Zagreb)
Evaluation of Surrogate Models of Internal Energy Absorbed by Oil Tanker Structure during Collision or Grounding

15:50h coffee break

Because we want the best: Del Toro (Numeca), Harries (Friendship Systems)

16:15h Berrini, Mourrain (Inria), Roux (MyCFD), Fontaine (K-Epsilon)
Parametric Shape Modeller for Hulls and Appendages

16:40h MacPherson (HydroComp), Harries (Friendship Systems)
Real Cost Savings for a Waterjet-driven Patrol Craft Design Using a CAESES-NavCad Coupled Solution

17:05h Ang (Sembcorp Marine), Goh, Li (University of Glasgow)
A Hybrid Evolutionary Algorithm-Based Shape Manipulation Approach for Efficient Hull Form

17:30h Serani, Campana, Diez (CNR Insean), Stern (Univ. of Iowa)

A Multi-Objective Optimization: Effects of Potential Flow Formulation and RANS

17:55h Announcement of COMPIT 2017

Andreas Bodmann gives Compit Award 2016 to ???

Tuesday, 10 May 2016

Product Lifecycle Management starts here: Tepper (Cadmatic)

08:55h Perez Fernandez (SENER)
Learning Curve and ROI in the Implementation of a CAD System in a Generic Shipbuilding Environment

09:20h Morais, Waldie (SSI)
Open Architecture Applications: The Key to Best-of-Breed Solutions

09:45h Juricic, Granata (Intergraph)
An IT Solution for Integrated Design, Production Planning and Ship Construction

10:10h Roth (Siemens)
Recording As-Built via an Open and Lightweight Solution Supplemented by a Process Evaluation Model

10:35h coffee break

Our new colleague, the robot: Individeri (Univ Salento), Caiti (Univ Pisa)

11:00h Nawaf, Hijazi, Merad, Drap (Aix Marseille Université)
Guided Underwater Survey Using Semi-Global Visual Odometry

11:25h Bibuli, Bruzzone, Caccia, Odetti, Ranieri, Saggini, Zereik (CNR-ISSIA)
Underwater Robotics for Diver Operation Support: The CADDY project

11:50h Koch (Atlantec Enterprise Solutions), Natarajan, Bernhard (DFKI), Ortiz, Bonnin-Pascual, Garcia-Fidalgo Company Corcoles (UBI)
Advances in Automated Ship Structure Inspection

12:15h Mediavilla Varas, Smith, Caharija, Berry, Tsuchiya, Ross (Lloyd's Register)
Autonomous COLREGs Compliant Ship Navigation, Using Bridge Simulators and an Actual Unmanned Vessel

12:40h lunch

Sharing is Caring: Stark (ONRG)

14:10h Dalén, et al. (Victoria Swedish ICT), Siwe (Swedish Mar. Admin.)

Engineering Requirements for an Maritime Digital Infrastructure - A Sea Traffic Management Perspective

14:35h Dausendschön, Mestl (DNV GL)

Port ETA Prediction based on AIS Data

15:00h Heilig, Voß (Univ. Hamburg)

A Framework for Securing Information Sharing in Temporal Seaport Coalitions based on Real-Time Contextual Information

15:25h Vatteroni (Shipdex)

A Standard to Exchange Technical Data between Owners and Suppliers

15:50h coffee break

VR – It's a different game now: Danese (NDAR), Bodmann (DNV GL)

16:15h Matsuo (NMRI)

Augmented Reality Assistance for Outfitting Works in Shipbuilding

16:40h Thomson (AVEVA)

Using Game Technology to Create an Affordable Way to Familiarize Crew and Passengers on Large Complex Vessels

17:05h MacKinnon, Bradbury-Squires, Button (Memorial University)

Active Learning Employing Virtual Reality Improves Mustering Performance on Simulated Offshore Installations

17:30h Chaves, Gaspar (Ålesund University College)

Open Source and Web Based Ship 3D Virtual Simulator

17:55h Zrodowski, Feiner (DNV GL)

SurveySimulator – A Virtual Reality Training Tool for Ship Surveys

Wednesday, 11 May 2016

Asset Management – The hidden gem: Rasmussen (Logimatic), Gordon (Aveva)

08:55h Vindoy, Dalhaug (DNV GL)

High-level Vessel Characterization

09:20h Jamt, Ludvigsen, Husteli, Lindblad, Børhaug, Smogeli, Platou (Mar. Cybernetix)

Digital Twins for Design, Testing and Verification throughout a Vessel's Life Cycle

09:45h Gordon (AVEVA)

Maritime Asset Visualization

10:10h Patterson (Babcock International)

Potential Benefits of Augmented Reality Technology in the Smart Ship

10:35h coffee break

Smart Energy Management: Gunnsteinsson (Marorka), Vatteroni (SpecTec)

11:00h van Vugt (TNO), Heslop, et al. (Univ. Newcastle), de Vries (Wärtsilä)

Advanced Real-time Ship Modelling for Control & Optimisation of Multiple Alternative Energy Sources on a Ro/Ro Cargo Ship

11:25h Orihara, Yoshida, Amaya (Japan Marine United Corporation)

Enhanced Voyage Support System based on Detailed Weather and Performance Monitoring

11:50h Mannarini, Pinardi, Coppini (CMCC)

VISIR: A Free and Open-Source Model for Ship Route Optimization

12:15h Mikkelsen, Lützen (Univ. Southern Denmark), Jensen (SIMAC)

Model for a Decision Support System for Energy Efficient Operation of Working Vessels

12:40h lunch

Big Data gets bigger: Abels (TUHH), Etienne (Dell)

14:10h Rødseth, Perera, Hassani, Mo (Marintek)

Big Data in Shipping - Challenges and Opportunities

14:35h Furustam (NAPA)

On Ways to Collect and Utilize Data from Ship Operation in Naval Architecture

15:00h Etienne, Sayers (Dell)

The Internet of Things and Connected Ships

15:25h Nakken, Prytz (ABB Marine and Ports)

Performance and Condition Monitoring enables Smart Marine Automation

15:50h coffee break

Big Data gets bigger - Reloaded: Dalhaug (DNV GL)

16:15h De Masi, Gentile, Vichi, Bruschi, Gabetta (Saipem)

Corrosion Prediction by Hierarchical Neural Networks

16:40h Gunnsteinsson (Marorka)

Enhancing Performance through Continuous Monitoring

17:05h Ramsden (Akzonobel)

AIS, Antifouling and Big Data

17:30h Bons, van Wirdum (MARIN)

Big Data and (Inland) Shipping: A Sensible Contribution to a Strong Future

18:05 Bus 1 leaves for Masseria Melcarne

18:15 Bus 2 leaves for Masseria Melcarne

DNV GL Dinner (in Masseria Melcarne)

Prosecco

6 mixed warm antipasti – Rosé wine

Tagliata di manzo (sliced beef) with grilled vegetables and roasted potatoes – Red Wine

Torta di Ricotta al Limone (Lemon-Ricotta-Cake) & Spumane Artigianale Tradizionale

(homemade icecream) - Digestif (Grappa, Limoncello, etc)