Monday, 15 May 2017

09:00h Lay it out for me – Chair: Gaspar
09:05h Andrews (UCL)
 The Key Ship Design Decision - Choosing the Style of a New Design
10:15 Coffee Break – Chair: Chatzimoisiadis
10:45h Pawling, Kouriampalis, Esbat, Bradbeer, Andrews (UCL)
 Expanding the Scope of Early Stage Computer Aided Ship Design
11:10h Jaspers, Kana (TU Delft)
 Elucidating Families of Ship Designs using Clustering Algorithms
11:35h Levisauskaite, Gaspar, Ulstein (NTNU)
 4GD Framework in Ship Design
12:00 Gaspar (NTNU)
 JavaScript Applied to Maritime Design and Engineering
12:30h Lunch - Confit Duck Leg, Sautéed Potatoes and a Mushroom Sauce
 Eton Mess
 Life may be a computer simulation (for some of us) – Chair: Holler
13:45h Korbetis, Chatzimoisiadis, Drougas (Beta CAE)
 EPILYSIS, A New Solver for Finite Element Analysis
14:10h van Lierde, Cardoen, Radosavljevic (Siemens)
 Predictive Engineering Analytics for Shipbuilding – An Overview
14:35h Alwan, Steen, Pedersen (NTNU), Yum (SINTEF Ocean)
 Multidisciplinary Process Integration and Design Optimization of a Hybrid Marine Power System Applied to a VLCC
15:00h Grümmer (aXatlantic), Harries (Friendship Systems), Cura (TU Berlin)
 Optimization of a Self-Righting Hull Design and Thruster Unit for an Autonomous Surface Vehicle
15:25 Coffee Break – Chair: Morais
15:55h Perez, Munoz (SENER)
 Change and Access Control Management to Provide Sister Ships Applicability Capability
16:20h Huigens, Verhelst, Coenen (TU Delft)
 Prediction of Work Content in Shipbuilding Projects using Extrapolation Methods
16:45h Kim, Jeong (SNU), Lee (Ximnos), Lee (KMOU)
 The Extended Process-Centric Modeling Method for Logistics Simulation in Shipyards considering Stock Areas
17:10h DNV GL Compit Award 2017 given to Marco Bibuli

We thank our sponsors: Aveva, BETA CAE, Cadmatic, CEI, DNV GL, Lloyd’s Register, NDAR, Sener, Siemens, SpecTec, SSI

Tuesday, 16 May 2017

09:00h I heard it on the wireless – Chair: Bole
09:05h Michala, Vourganas (Univ. of Strathclyde)
 A Smart Modular Wireless System for Condition Monitoring Data Acquisition
09:35h Patterson, Barton, Fanning (Babcock) Secure Wireless Options in the Smart Ship
10:15 Coffee Break – Chair: Mediavilla
10:45h Brink, Mulay (Fraunhofer)
 Fast Leaps and Deep Dives towards Autonomous, Fast and High-Resolution Deep-Sea Ocean Exploration
11:10h Daltry, Tripp (ASV Global)
 The Path to Real World Autonomy for ASVs
11:35h Brinkmann, Hahn (University of Oldenburg), Hjøllo (Navor)
 Physical Testbed for Highly Automated and Autonomous Vessels
12:00 Singh, Sharma, Sutton, Hatton (University of Plymouth)
 Path Planning of an Autonomous Surface Vehicle based on Artificial Potential Fields in a Real Time Maritime Environment
12:30h Lunch - Braised Shin of Beef, Mustard Mash and Roasted Carrots
 Lemon Tart with Berries
 Calls for more autonomy – Chair: Cabos
13:45h Mediavilla, Hirdaris, Smith, Scialla, Caharjia, Mills (LR), Bhuiyan (Solen (Univ), Naeem, Hu (QU), Renton, Motson (Atlas Elektronik), Eshan (RR)
 MAXCMAS Project - Autonomous COLREGS Compliant Ship Navigation
14:10h Kurowski, Jainsch (Univ. Rostock), Schubert (MATNAV)
 Generic Control Strategy for Future Autonomous Ship Operations
14:35h Rahay (Totem Plus)
 Case Study - Totem Fully Autonomous Navigation System
15:00h Coffee Break – Chair: Perez
15:55h Sakari, Hell, Korhonen, Säntti, Heimo, Forsman, Taskinen, Lehtonen (University of Turku)
 Virtual and Augmented Reality Solutions to Industrial Applications
16:20h Morais, Waldie, Larkins (SSI)
 The Evolution of Virtual Reality in Shipbuilding
16:45h Cabos, Wolf, Feiner (DNV GL)
 Remote Hull Surveys with Virtual Reality
17:10h Announcement of Compit 2018
Wednesday, 17 May 2017

Big Game Changers – Chair: Müller
09:00h Deeb, Abdelaal, Hahn (University of Oldenburg)
Pre-Crash Advisor – Decision Support System for Mitigating Collision Damage

09:25h Deverill (Genscape Vesseltracker)
Big Data – Processing Global AIS in Real Time to Produce Market Insight

09:50h Cepeda, Uchoa, Marques, Assis, Vaz, Caprace (UFRJ)
Big Data Analysis of AIS Records to Provide Knowledge for Offshore Logistic Simulation

10:15h Coffee Break

10:45h Etienne (Dell EMC)
Six Steps to using the IoT to Steer Ships into the Digital Future – Keeping Vessels “Ship Shape” with Predictive Maintenance Efficiency

11:00h Müller (Siemens)
Marine 4.0: Condition Monitoring for the Future

11:35h Keane, Brett (Ulstein), Ebrahimi, Gaspar, Garcia (NTNU)
Preparing for a Digital Future - Experiences and Implications from a Maritime Domain Perspective

12:00h Hagaseth, Moser (SINTEF Ocean)
Ontology Based Integration of Ship Inspection Data

12:30h Lunch – Chicken Curry and Rice
Baileys Panna Cotta

Re-Routing Now – Chair: Danese
13:45h Orihara, Yoshida, Amaya (JMUC)
Big Data Analysis for Service Performance Evaluation and Ship Design

14:10h Mannarini, Coppini, Lecci, Turrisi (CMCC)
Surface Sea Currents and Waves for Optimal Route Planning with VISIR

14:35h Costa, Uchoa, Vaz, Assis, Caprace (UFRJ)
A Vessel Weather Routing Scheduler to Minimize the Voyage Time

15:00h Coffee Break

Understand your Man – Chair: Östmann
15:30h Benedict, Fischer, Gluch, Kirchhoff, Schaub (Univ. Wismar), Baldauf (WMU), Müller (AIDA)

15:55h Bibuli, Brazzone, Caccia, Chiarella, Ferretti, Odetti, Ranieri, Zereik (ISSIA)
Cutting-edge Underwater Robotics - CADDY Project Challenges, Results and Future Steps

16:20h Bertram, Fløyman (DNV GL)
Maritime Training in the 21st Century

16:45h Bertram (DNV GL)
Future of Shipbuilding and Shipping - A Technology Vision

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DNV GL Dinner (in Cardiff Castle)
Meet at entrance to Cardiff Castle

Time tbd Castle Tour – Group 1
Time tbd Castle Tour – Group 2

Traditional Welsh lamb cawl served with a baker’s basket
Supreme of chicken stuffed with Perl Las cheese with a cream sauce and seasonal vegetables
Welshcake & honey cheesecake

Vegetarian alternative available if booked by 12.5.2017