

Monday, 15 May 2017

Lay it out for me – Chair: Gaspar

- 09:00h Andrews (UCL)
The Key Ship Design Decision - Choosing the Style of a New Design
- 09:25h Roth, Droste, Kana (TU Delft)
Analysis of General Arrangements Created by the TU Delft Packing Approach
- 09:50h Cieraad, Duchateau, Zandstra, Broek-De Bruin (Dutch MoD)
A Packing Approach Model in Support of the Conceptual Design of Naval Submarines

10:15 Coffee Break

Here by design – Chair: Chatzimoisiadis

- 10:45h Pawling, Kouriampalis, Esbati, 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 Levišauskaitė, 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, Drougkas (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

Yards 4.0 – Chair: Morais

- 15:55h Perez, Munoz (SENER)
Change and Access Control Management to Provide Sister Ships Applicability Capability
- 16:20h Huijgens, Verhelst, Coenen (TU Delft)
Prediction of Work Content in Shipbuilding Projects using Extrapolation Methods
- 16:45h Kim, Jeong (SNU), Lee (Xinnos), 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

Tuesday, 16 May 2017

I heard it on the wireless – Chair: Bole

- 09:00h Hunter (Coltraco)
The Ungoverned Space of Fire Safety
- 09:25h Michala, Vourganas (Univ. of Strathclyde)
A Smart Modular Wireless System for Condition Monitoring Data Acquisition
- 09:50h Patterson, Barton (Babcock)
Secure Wireless Options in the Smart Ship

10:15 Coffee Break

What is autonomy and why does it matter? – 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), Hjøllø (Navtor)
Physical Testbed for Highly Automated and Autonomous Vessels
- 12:00h Singh, Sharma, Sutton, Hatton (University of Plymouth)
Path Planning of an Autonomous Surface Vehicle based on Artificial Potential Fields in a Real Time Marine 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, Caharija, Mills (LR), Bhuiyan (Solent Univ), Naeem, Hu (QUB), Renton, Motson (Atlas Elektronik), Eshan (RR)
MAXCMAS Project - Autonomous COLREGS Compliant Ship Navigation
- 14:10h Kurowski, Jeinsch (Univ. Rostock), Schubert (MATNAV)
Generic Control Strategy for Future Autonomous Ship Operations
- 14:35h Rahav (Totem Plus)
Case Study - Totem Fully Autonomous Navigation System

15:00h Coffee Break

Alternative Realities – Chair: Perez

- 15:30h Procee, Borst, Van Paasen, Mulder (NHL Hogeschool)
Toward Functional Augmented Reality in Marine Navigation: A Cognitive Work Analysis
- 15:55h Sakari, Helle, 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

Get Smart – Chair: Tepper

- 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
- 11:10h 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)
Innovative Fast Time Simulation Tools for Briefing / Debriefing in Advanced Ship Handling Simulator Training for Cruise Ship Operation
- 15:55h Bibuli, Bruzzone, Caccia, Chiarella, Ferretti, Odetti, Ranieri, Zereik (ISSIA)
Cutting-edge Underwater Robotics - CADDY Project Challenges, Results and Future Steps
- 16:20h Bertram, Plowman (DNV GL)
Maritime Training in the 21st Century
- 16:45h Bertram (DNV GL)
Future of Shipbuilding and Shipping - A Technology Vision

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