FRIENDSHIP SYSTEMS

FRIENDSHIP SYSTEMS
A GL company

Users' Meeting and Conference 2012

May 3-4, 2012

Potsdam, Germany

Agenda Users' Meeting and Conference 2012

Time	3rd May 2012
09:00	Registration
10:00	*Welcome,* Claus Abt / Stefan Harries, FRIENDSHIP SYSTEMS
10:15	*BEST Plus – Better economics with safer tanker / a novel Aframax oil tanker design,* Ralf Plump, Germanischer Lloyd
11:00	*Parametric model and CFD integrated process for WED optimization*, Marcelo Nogueira, University of São Paulo
11:30	*Viscous flow analyses for unconventional ships using SHIPFLOW and FRIENDSHIP-Framework,* Pelle Bo Regener, University of Applied Sciences Bremen
12:00	*Development of an automatic meshing process of the fluid domain around a hull for resistance calculation using OpenFOAM,* Peter Horn, University of Rostock / Hamburg Ship Model Basin (HSVA)
12:30	Lunch
13:45	Photo with all attendees
14:00	*Coupling of FRIENDSHIP-Framework to viscous flow codes by NUMECA,* Thomas Hildebrandt, NUMECA
14:30	*Centrifugal pump impeller design with the FRIENDSHIP-Framework,* Toni Klemm, KSB
15:00	*Fully-parametric optimization of different propulsion systems*, David Bendl, Voith Turbo Schneider Propulsion
15:30	*Hydrodynamic optimization of linear heaving point absorber,* Erik Dölerud, Chalmers University of Technology
16:00	Coffee Break
16:30	*Parametric form optimization using an adjoint solver,* Scott Gatchell, Hamburg Ship Model Basin (HSVA)
17:10	*A holistic methodology for optimization in ship design and operation and its application for a safer, more efficient and competitive twin skeg tanker,* Lampros Nikolopoulos, National Technical University of Athens
17:40	Closure
19:00	Dinner

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Time	4th May 2012
09:00	*A shipping industry status: the challenges your customers face,* Torsten Büssow, Germanischer Lloyd
09:30	*Generating the optimal cruise liner hull shape,* Bardo Krebber / Justus Heimann, FutureShip
10:00	*Optimization of energy saving devices with the FRIENDSHIP-Framework and SHIPFLOW,* Leif Broberg, FLOWTECH
10:30	*Current research activities and product roadmap,* Claus Abt, FRIENDSHIP SYSTEMS
10:45	Coffee Break
11:15	*Robust ship design optimization using multi-disciplinary optimization and stochastic analysis,* Dirk Roos, University of Applied Sciences Niederrhein
12:15	*Using FRIENDSHIP-Framework in yacht design,* Nicolas Rousselon, Cape Horn Engineering
12:45	Lunch
14:00	*Shape optimizations using FRIENDSHIP-Framework and STAR-CCM+*, CD-adapco
14:30	*Scantling optimization of the midship section of a container ship,* Roberta Colletti, Heerema Marine Contractors
15:00	*Scripting user-defined features: debugger, functions, control statements and more,* Arne Bergmann, FRIENDSHIP SYSTEMS
15:30	*Post-processing of viscous flow computations in the FRIENDSHIP-Framework,* Mattia Brenner / Stefan Wunderlich, FRIENDSHIP SYSTEMS
16:00	Closure and Farewell