Programme NuTTS 2016, St. Pierre d'Oléron

Sunday, 2 October 2016

20:30h Dinner

Monday, 3 October 2016

8:25h   Welcome

Chair: Jeroen Wackers
8:30h   Investigating Propellers for Inland Waterway Vessels: A Work in Progress
          Matthias Tenzer and Jens Höpken
8:55h   Comparison of uRANS and BEM-BEM for propeller pressure pulse prediction:
          E779A propeller in a cavitation tunnel
          Paolo Perali, Thomas Lloyd, and Guilherme Vaz
9:20h   Numerical Simulation of an Ultrasonic Vibratory Cavitation Device
          Byoung Guk Kim, Philip Wilson, and Stephen Turnock
9:45h   Progress towards CFD guidelines for zig-zag simulations in waves
          Anastasia Zubova, Alvaro del Toro Llorens, Benoit Mallol, and Charles Hirsch

10:10h coffee break / bicycle pickup

Chair: Patrick Queutey
10:45h   Density-based Compressible Solver with Equilibrium Cavitation Model in
          OpenFOAM
          Mohammad Hossein Arabnejad, Rickard Bensow, and Claes Eskilsson
11:10h   Finite Mass Transfer Effects in Cavitation Modelling
          Sören Schenke and Tom van Terwisga
11:35h   A multi-scale Eulerian-Lagrangian model for simulation of cavitation flows
          Ebrahim Ghahramani and Rickard Bensow
12:00h   Numerical features of cavitation models based on the simplified Rayleigh-Plesset
          equation
          Catherine Ramirez, Alban Leroyer, Emmanuel Guilmineau, and Patrick Queutey

12:30h Lunch

Chair: Pol Muller
14:00h   Numerical Analysis of Tip Vortex Flow
          Abolfazl Asnaghi, Andreas Feymark, and Rickard Bensow
14:25h   Flow characteristics around marine propellers in self propulsion test condition
          Nobuhiro Hasuike, Masafumi Okazaki, and Akinori Okazaki
14:50h   Towards cavitation modelling accounting for transition effects
          Antoine Reverberi, Thomas Lloyd, and Guilherme Vaz
15:15h   Modelling Natural Transition on Hydrofoils for Application in Underwater Gliders
          Sébastien Lemaire, Artur Lidtke, Guilherme Vaz, and Stephen Turnock

15:40h Coffee break

Chair: Volker Bertram
16:15h   Numerical Simulation of Fridsma Hull Using Overset Grid System
          Omer Faruk Sukas, Ferdi Çakici, and Metin Kemal Gokce
16:40h   A Study of Resistance of High-Speed Catamarans and Scale Effects on Form
          Factor
          Sarawuth Srinakaew, Dominic Taunton, and Dominic Hudson
17:05h   Steps towards fully nonlinear simulations of arrays of OWSC
          Gerrit Olbert and Pal Schmitt
17:30h   Simulation validation of a tidal turbine: comparison to Southampton's experiment
          *Corentin Lothode, Didier Lemosse, Emmanuel Pagnacco, Eduardo Souza,
          Augustin Hugues, and Yann Roux*

17:55h   Landrini award

19:30h Dinner

Tuesday, 4 October 2016

Chair: Thomas Lloyd
8:30h   Experimental and Computational Analysis of the Ship Propeller in Open Water
          Conditions for Inclined Flow
          Judyta Felicjancik, Przemysław Król, and Tomasz Bugalski
8:55h   Numerical Studies on Propellers in Open Water and behind Hulls aiming to support
          the Evaluation of Propulsion Tests
          *Heinrich Streckwall, Thomas Lücke, Tomasz Bugalski, Judyta Felicjancik, Tom
          Goedicke, Lars Greitsch, Alaz Talay, and Mustafa Alvar*
9:20h   Free movements of a flexible barge investigated with a viscous flow solver
          Marie Robert, Antoine Ducoin, Aurélien Drouet, and Pierre Ferrant
9:45h   Wave Diffraction CFD Nonlinear Time–Spectral Simulations in foam–extend
          Inno Gatin, Gregor Cvijetić, Vuko Vukčević, and Hrvoje Jasak

10:10h Coffee break

Chair: Ciro Cannavaciuolo / Jonathan Scott
10:45h   Ship Scale Self-Propelled Added Resistance Study
          Constantinos Zegos, Alejandro Caldas, and Sebastiaan Zaaijer
11:10h   Validation of CFD for a deterministic breaking wave impact on a semi submersible
          Henry Bandringa, Joop Helder, and Tim Bunnik
11:35h   RANS and Hybrid RANS-LES simulations around the Japan Bulk Carrier of the
          Tokyo 2015 CFD Workshop
          *Patrick Queutey, Emmanuel Guilmineau, Michel Visonneau, Jeroen Wackers, and
          Gan Bo Deng*
12:00h   Damping of Free Surface Waves - State of the Art and Future Developments
          Robinson Perić and Moustafa Abdel-Maksoud

12:30h Lunch

Chair: Benoit Mallol
14:00h   Influence of grid setup on the prediction of hydrofoil cavitation
            Carlo Negrato, Thomas Lloyd, Tom van Terwisga, and Rickard Bensow
14:25h   Tip Vortex Cavitation Inception Without a Cavitation Model
            Camille Yvin and Pol Muller
14:50h   DES of Tip Vortex Cavitation on a Propeller
            Keun Woo Shin
15:15h   Advanced Simulations = Better Results. Really?
            Volker Bertram, Tobias Zorn, and Olav Rognebakke

15:40h   Coffee break

Chair: Rickard Bensow
16:15h   Multi-Fidelity Adaptive Metamodel for Ship Hull Performance via CFD
            Riccardo Pellegrini, Cecilia Leotardi, Stefano Zaghi, Riccardo Broglia, Emilio Campana, Umberto Iemma, and Matteo Diez
16:40h   Optimization of a ship with a large diameter propeller
            Auke van der Ploeg, Guus van der Bles, and Jan van Zelderen
17:05h   A Development and analysis of the new Energy Saving Device "USTD"
            Yasuo Ichinose, Kenichi Kume, and Yusuke Tahara

17:30h   Announcement next NuTTS

19:30h   Cocktail
20:00h   NuTTS Dinner

Wednesday, 5 October 2016

7:45h   Bicycle deposit
8:15h   Shuttle bus departure