

Programme

Monday, May 28, 2018

09:30 - 10:00	Onno Bokhove	On breaking wave modelling with pseudo-compressible and mixture theory models
10:00 - 10:30	Maria Kazolea	Comparing hybrid vs eddy viscosity breaking models in weakly and fully non-linear Boussinesq models.
10:00 - 10:30	Jean-François Filipot	The DiMe project: characterization of the wave breaking characteristics of extreme sea states for the design of Marine Renewable Energy converters
10:30 - 11:00		Coffee break
11:00 - 11:30	Volker Roeber	Modeling and Forecasting of Wave-driven Coastal Hazards.
11:30 - 12:00	Stephan Grilli	On the absorption of breaking wave energy in fully nonlinear potential flow model.
12:00 - 13:30		Lunch
13:30 - 14:30		Visit of the Laboratory
14:30 - 15:00		Coffee break
15:00 - 15:30	Umberto Bosi	An HP/Spectral element unified Boussinesq Framework for wave-floating body interaction.
15:00 - 15:30	Betsy Seiffert	Simulation of breaking waves in a High-Order Spectral model
15:30 - 16:00	James Kirby	Predicting the breaking strength of surface water waves.
15:00 - 16:00		Discussion
17:15 - 18:30		Cocktail

Tuesday, May 29, 2018

09:00 - 09:30	Nicholas Pizzo	Lagrangian transport by breaking deep-water surface waves.
09:30 - 10:00	Fabrice Veron	Turbulent and Wave-Induced velocity fields over Wind-driven Surface Waves.
10:00 - 10:30		Coffee break
10:30 - 11:00	Jean-François Filipot	An attempt to unify wave breaking measurements formalism.
11:00 - 11:30	Jim Thomson	Field Observations of Wave Breaking.
11:30 - 12:00	Adrian Callaghan	On the connection between whitecap foam signatures and breaking wave energy dissipation.
12:00 - 13:30		Lunch
13:30 - 14:00	Yuxiang Ma	Experimental study on the influence of directional spread on wave breaking.
14:00 - 14:30	Henrik Kalish	Wave breaking in undular bores.
14:30 - 15:00		Coffee break
15:00 - 15:30	Cheng Lin	Study on Acceleration Features of Long Waves over Sloping Beaches - A comparison between Solitary Wave and Undular Bore.
15:30 - 16:00	Maurizio Brocchini	Some recent results on the dynamics of a mechanically-forced spilling breaker.
16:00 - 17:00		Discussion

Wednesday, May 30, 2018

09:00 - 09:30	Alessandro Iafrati	Analysis of the breaking induced by modulational instability in wind and no-wind conditions
09:30 - 10:00	James Kirby	Effects of 3D current structure on 2D horizontal circulation in surf zone flows.
10:00 - 10:30		Coffee break
10:30 - 11:00	Florian Desmons	Review of wave breaking characteristics
11:00 - 11:30	Stéphane Popinet	Direct numerical simulations of breaking waves.
11:30 - 12:00	Frédéric Golay	Wave propagation and wave breaking using adaptive mesh refinement method and coupled models.
12:00 - 13:30		Lunch
13:30 - 14:00	Yves-Marie Scolan	Critical jets in a plunging breaker.
14:00 - 14:30	Gaël Richard	Modelling shoaling and breaking waves on a mild sloping beach.
14:30 - 15:00		Coffee break
15:00 - 15:30	Christos Papoutsellis	Implementation and test of a modelling strategy for depth-induced breaking in fully nonlinear potential flow models.
15:30 - 16:00	Vollestad Petter	Experimental investigation microscale breaking waves in two-phase pipe flow.
16:00 - 17:00		Discussion
19:00 - 22:00		Workshop Dinner

Thursday, May 31, 2018

09:00 - 09:30	Marc Buckley	Field observations of the airflow over waves using PIV
09:30 - 10:00	Bruno Simon	Simulation of the hydrodynamic in breaking undular bore
10:00 - 10:30	Efim Pelinovsky	Long wave runup on plane and “non-reflected” beaches.
10:30 - 11:00		Coffee break
11:00 - 11:30	Alexey Slunyaev	The effect of wave breaking in numerical simulations of irregular sea waves.
11:30 - 12:00	Sergei Gavriluk	Multi-dimensional shear shallow water flows.
12:00 - 13:30		Lunch
13:30 - 14:00	Tatiana Talipova	Breaking of large-amplitude solitary waves in a stratified Fluid
14:00 - 14:30	Julien Touboul	On the breaking onset of unsteady water wave packets evolving in the presence of constant vorticity.
14:30 - 15:00		Coffee break
15:00 - 15:30	Malek Abid	Effect of vorticity of pre-breaking waves in shallow water.
15:30 - 16:30		Dscussion

Friday, June 1, 2018

09:00 - 10:00	Participation to experimental measurements of breaking in the IRPHE/ECM wavetank
10:00 - 10:20	Coffee break
10:20 - 11:20	Participation to experimental measurements of breaking in the IRPHE/ECM wavetank
11:20 - 12:00	Discussion and closing

