Programme of WISE 2004 meeting in Reading

Sunday June 6

SPECIAL COURSE ON MESO-SCALE MODELLING
14.00 Andrew Brown..................Meso scale modelling of orographic and coastal effects
15.15 Coffee and Tea
15.45 Peter Janssen .................On mesoscale variability and Kolmogorov's inertial subrange spectral law
17.00 REGISTRATION
19.30 Informal Dinner at Danielle's and Peter's home

Monday June 7

9.00 Opening

INVITED TALK
9.15 Peter Janssen .................Wind-wave generation revisited
10.40 Coffee and Tea

PHYSICS
11.00 Henrique Alves..................Recent research on hurricane-generated waves at NOAA/NCEP
11.25 Fabrice Ardhuin.................Wave-generation with opposing swell during SHOWEX
11.50 Alexander Babanin ..............Experimental determination of spectral distribution of wave breaking events and energy dissipation
12.15 Mike Banner ....................Modelling wave breaking in spectral wind-wave models - a current perspective
12.40 LUNCH
14.00 Mark Donelan ..................As simple as possible, but not simpler
14.25 Paul Liu ..........................From the final voyage of SS Edmund Fitzgerald to some heretic views on the study and modelling of wind waves
14.50 Miguel Onorato .................Quasi-resonant interaction theory and experiments
15.15 Coffee and Tea
15.30 Andrei Pushkarev ..............On the interaction of swell and wind sea in deep ocean
15.55 Don Resio ........................Source term balances in the equilibrium range
16.20 Erick Rogers ....................Recalculation of wind input source function and numerical experiments
16.55 Coffee and Tea
17.20 Kakha Tsagareli ...............Investigation of wind input and spectral dissipation in evolution of wind waves
17.45 Vladimir Zakharov ............Deterministic numerical simulation of wind-driven sea
18.10 Vlad Polnikov..................(Title t.b.a.)
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Tuesday June 8

INVITED TALK
8.15 Ken Melville ....................White capping: from micro physics to a global perspective
9.30 Discussion and Planning
10.30 Coffee and Tea
10.50 Discussion and Planning continued

COUPLING and NONLINEAR INTERACTIONS
11.30 Fabrice Ardhuin ..............3D formalism for coupled wave-current models
11.55 Jean-Michel Lefevre ........Recent developments about input source term in WAM
12.20 Oyvind Saetra .................Effects of sea state dependent momentum fluxes in storm surge modelling
12.45 LUNCH
14.00 Michel Benoit .................Evaluation of an efficient and potentially exact method for computing nonlinear interactions between quadruplets for deep water wave spectra
14.25 Igor Lavrenov .................Weak turbulent flux estimation for surface water wave spectrum

OBSERVATIONS
14.50 Gerbrant v. Vledder ............The lumped quadruplets interaction approximation
15.15 Coffee and Tea
15.30 Richard Gorman .................Directional wavelet analysis of inhomogeneity in surface wave fields
15.55 John Dugan ......................Frequency-wavenumber spectra of shoal gravity waves
16.20 Bardur Niclasen .................Wave measurements around the Faroe Islands 1979 to present
16.45 Coffee and Tea
17.00 Pedro Osuna ....................Comparison of wave measurements and model results in the Liverpool bay area
17.25 J. Green .........................Row action inversion of the Barrick-Weber equations
17.50 Alessandro Toffoli .............Extreme waves in shallow water records

Wednesday June 9

MODELLING
8.35 Wolfgang Rosenthal ............Individual wave detection
9.00 Saleh Abdalla ..................Assimilation of ENVISAT and JASON altimeter wave data
9.25 Jean Bidlot ......................Recent developments in the ECMWF wave forecasting system
9.50 Rodolfo Sanchez .................Drag coefficient as a calibration parameter
10.15 Coffee and Tea
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10.35  M. Bottema ..................... Aerodynamic roughness of lakes and required dike heights
11.00  Luigi Cavaleri .................. Cross comparison of meteorological and wave models in the Mediterranean Sea
11.25  Valdir Innocentini .......... The wave climate in the Northeast of Brazil
11.50  Heidi Pettersson ............. Wave direction in a narrow bay
12.30  BUS LEAVES FOR FIELD TRIP (lunch to be provided)
7.30   Conference dinner at Loch Fyne

Thursday June 10

MODELLING (continued)

8.35  Jacco Groeneweg .......... Developments in intra-wave motion modelling
9.00  Heinz Guenther .......... A comparison of wave model performance at a tidal inlet environment
9.25  Hans Hersbach .......... Evolution of the quality of the ECMWF surface winds over the last 7 years
9.50  Robert Jensen .......... How far can we push oceanic scale wave models into the coast
10.15  Coffee and Tea
10.35  Kimmo Kahma .......... Parameterizing the coast line of the Northern Baltic Sea for wind-wave models
11.00  Annette Kieftenburg .... Maintenance management of SWAN and development of tools: the importance to Rijkswaterstaat
11.25  Roop Lalbeharry .......... An intercomparison of three state of the art ocean wave models applied to lake Erie
11.50  Hendrik Tolman .......... Recent model development at NCEP
12.15  LUNCH
13.30  Laura Tuomi .......... Modelling waves with high spatial resolution in the coastal areas of the Baltic Sea
13.55  Andre v.d. Westhuysen .. Improved accuracy of SWAN through development of numerics
14.20  Nigel Tozer .......... Wave modelling in the outer Thames estuary
14.45  Coffee and Tea
15.00  Judith Wolf .......... A shallow water wave model for the North Norfolk coast
15.25  Masataka Yamaguchi .... Estimating the parent distribution of storm type-separated annual maximum wave heights on north-western Pacific ocean
15.50  Meeting Close