3rd Norway-Scotland Waves Symposium 16-17 Sept. 2013
The Norwegian Academy of Science and Letters, Drammensv. 78, Oslo
Chairs: Prof. J. Grue (Univ. of Oslo) and Prof. P. A. Davies (Univ. of Dundee)

Program
Monday 16 September

830 Coffee. Registration
900-910 J. Grue: Welcome and opening remarks
Session 1. Chair: J. Grue
930-950 D. G. Dritschel, S. E. King and M. Carr (UK): New advances in the simulation of 2D stratified flows.
950-1010 A. Ali and H. Kalisch (Norway): Reconstruction of the pressure in long-wave models with constant vorticity.
1010-1020 Discussion
1020-1040 Break
Session 2. Chair: P. A. Davies
1040-1100 L. Boegman, P. Aghsaee and A. Dorostkar (Canada): Multiscale research on 3D dynamics of nonlinear internal wave and topography interaction.
1100-1120 M. Stastna (Canada): Internal wave boundary layer interaction: two novel mechanisms for instability.
1140-1150 Discussion
1150-1200 Short break
Session 3. Chair: G. K. Pedersen
1200-1220 H. M. Fritz, B. C. McFall and F. Mohammed (USA): Three-dimensional physical modeling of granular landslide tsunami generation in various scenarios.
1240-1250 Discussion
1250-1340 Lunch
Session 4. Chair: A. Jensen
1450-1500 Discussion
1500-1530 Break
Session 5. Chair: R. H. Grimshaw
1550-1610 A. Brandt and K. R. Shipley (USA): Mass transport by large and very-large amplitude mode-2 internal solitary waves: experimental observations.
1610-1630 M. Palmer (UK): Does differing internal wave forcing drive variable behaviour in pycnocline mixing?
1630-1650 P. J. Diamessis and S. Wunsch (USA): Nonlinear generation of harmonics through the interaction of an internal wave beam with a model oceanic pycnocline.
1650-1700 Discussion
1700-1730 Break

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Session 6. Chair: J. H. Lacasse
1730-1750 G. Ivey (Australia): Internal tides on the Australian North West Shelf: from generation to breaking.
1750-1810 N. Stashchuk, V. Vlasenko and M. E. Inall (UK): Three dimensional dynamics of baroclinic tides in the Celtic Sea on the results of in-situ observations and numerical modelling.
1810-1830 D. L. Aleynik and M. E. Inall (UK): Internal waves generation and decay in Celtic Sea.
1830-1850 M. E. Inall, M. Porter, E. Dumont, D. Aleynik, T. Sherwin and D. Smeed (UK): How well do autonomous gliders capture the internal tide?
1850-1900 Discussion
1900 Tore Magnus Taklo: Trumpet Fanfare
1905 Drinks
1930 Dinner in the Academy

Tuesday 17 September

830 Coffee

Session 7. Chair: K. Trulsen
1000-1010 Discussion
1010-1025 Break

Session 8. Chair: Ch. Kharif
1125-1135 Discussion
1135-1150 Break

Session 9. Chair: M. Inall
1150-1210 S. Falahat, J. Nycander and F. Roquet (Sweden): Comparison of computed internal tides to observed dissipation.
1210-1230 V. Vlasenko, C. Guo and N. Stashchuk (UK): A and B-type internal solitary waves in the northern South China Sea.
1230-1250 G. Jeans (UK): The application of internal wave physics to offshore engineering.
1250-1300 Discussion
1300-1345 Lunch

Session 10. Chair: G. Ivey
1350-1410 H. van Haren (The Netherlands): Energy release through internal wave breaking
1430-1450 A. Stålström, L. Arneborg, B. Liljebladh and G. Brostrom (Norway/Sweden): Observations of turbulence caused by a combination of tides and baroclinic mean pressure gradients over a fjord sill.
1450-1500 Discussion
1500-1515 Break

Session 11. Chair: J. Nycander
1515-1535 R. H. Grimshaw, K. Helfrich, C. Guo and V. Vlasenko (UK/USA): The combined effect of rotation and variable depth on internal solitary waves.
1615-1625 Discussion
1625 Concluding remarks
1630 Adjourn