

Amiri, A.; Nuland, S.; Øye, G. & Sjöblom, J. (2010), 'Cross sectional model for determining rheology in settling slurries: Effect of solvent, particle size and density', *Submitted to Journal of Rheology*.

Amiri, A.; Øye, G. & Sjöblom, J. (2009), 'Influence of pH, high salinity and particle concentration on stability and rheological properties of aqueous suspensions of fumed silica', *Colloids and Surfaces A: Physicochemical and Engineering Aspects* **349**(1-3), 43 - 54.

Amiri, A.; Øye, G. & Sjöblom, J. (2010), 'Temperature and Pressure effects on stability and gelation properties of silica suspensions', *Submitted to Colloids and Surfaces A: Physicochemical and Engineering aspects*.

Amiri, A.; Øye, G. & Sjöblom, J. (2011), 'Stability and flow induced flocculation and stability studies of suspensions of fumed silica in mixture of water-glycerol', *Accepted for publication in Journal of Dispersion Science and Technology*.

Fan, Y.; Simon, S. & Sjöblom, J. (2009), 'Chemical Destabilization of Crude Oil Emulsions: Effect of Nonionic Surfactants as Emulsion Inhibitors', *Energy & Fuels* **23**(9), 4575-4583.

Fan, Y.; Simon, S. & Sjöblom, J. (2010), 'Interfacial shear rheology of asphaltenes at oil-water interface and its relation to emulsion stability: Influence of concentration, solvent aromaticity and nonionic surfactant', *Colloids and Surfaces A: Physicochemical and Engineering Aspects* **366**(1-3), 120 - 128.

Fan, Y.; Simon, S. & Sjöblom, J. (2010), 'Influence of Nonionic Surfactants on the Surface and Interfacial Film Properties of Asphaltenes Investigated by Langmuir Balance and Brewster Angle Microscopy', *Langmuir* **26**(13), 10497-10505.

Furtado, K. & Skartlien, R. (2010), 'Derivation and thermodynamics of a lattice Boltzmann model with soluble amphiphilic surfactant', *Phys. Rev. E* **81**(6), 066704.

Huang, J. & Nydal, O. J. (2010), 'A Hybrid Algorithm of Event Driven Method and TimeDrivenMethod for Simulation of Granular Flows', *To be submitted to Communications in Computational Physics*.

Huang, J. & Nydal, O. J. (2010), 'Body Fitted Link-cell Algorithm for ParticulateFlow Simulation in Curved Pipeline', *To be submitted to Journal of Physics A*.

Huang, Y. J.; Chan, C. K. & Zamankhan, P. (2010), 'Granular jet impingement on a fixed target', *Phys. Rev. E* **82**(3), 031307.

Kelesoglu, S.; Pettersen, B. H. & Sjöblom, J. (2010), 'Characterization of water-in-North Sea acidic crude oil emulsions by means of rheology, droplet size and laminar flow in pipeline', *Submitted to Journal of Dispersion Science and Technology*.

Kelesoglu, S.; Pettersen, B. H. & Sjöblom, J. (2010), 'Flow behaviour of water-in-North Sea heavy crude oil emulsions', *To be submitted to Industrial Engineering Chemistry Research*.

- Lin, Y.; Skjetne, P. & Carlson, A. (2010), 'A phase field model for multiphase electro-hydrodynamic flow', *Submitted to J. Fluid Mech.*
- Skartlien, R.; Furtado, K.; Sollum, E.; Meakin, P. & Kralova, I. (2010), 'Lattice Boltzmann simulations of dynamic interfacial tension due to soluble amphiphilic surfactant', *Submitted to Physica A*.
- Amiri, A.; Nuland, S.; Øye, G. & Sjöblom, J. (2008), 'Stability and rheological properties of Aqueous fumed silica suspensions' 5th Annual European rheology conference, Cardiff, UK.'
- Amiri, A.; Nuland, S.; Øye, G. & Sjöblom, J. (2010), 'Viscosity of settling suspensions' 7th North American Conference on MULTIPHASE TECHNOLOGY, Banff, Canada.'
- Bragg, A.; Swailes, D. & Skartlien, R. (2010), 'Closure approximations in particle dispersion coefficients derived from pdf kinetic equations' 7th International Conference on Multiphase Flow, ICMF 2010, Tampa, FL'.
- van Eijkeren, D. & Hoeijmakers, H. (2010), 'Influence of the history term in a Lagrangian method for oil-water separation' 7th International Conference on Multiphase Flow, ICMF 2010, Tampa, FL'.
- Lin, Y.; Skjetne, P. & Carlson, A. (2010), 'Phase-field model for electro-hydrodynamic flow.' 7th International Conference on Multiphase Flow, ICMF 2010, Tampa, FL'.
- Plasencia, J. & Nydal, O. (2010), 'Influence of the pipe diameter in dispersed oil-water flows' 7th International Conference on Multiphase Flow, ICMF 2010, Tampa, FL'.
- Skartlien, R.; Sollum, E.; Kjeldby, T. B.; Meakin, P. & Furtado, K. (2010), 'Simulation of oil/water interfacial dynamics in the presence of surfactant, using the Lattice Boltzmann approach' 7th International Conference on Multiphase Flow, ICMF 2010, Tampa, FL'.
- Skjaeraasen, O.; Skartlien, R. & Zarruk, G. (2010), 'A Two-Way Coupled Reynolds Stress Model for Suspensions with Comparison to Experiment.' 7th International Conference on Multiphase Flow, ICMF 2010, Tampa, FL'.
- Zarruk, G. A.; Skjæraasen, O. & Skartlien, R. (2010), 'Experimental investigation of particle fluid interaction in turbulent channel flow' 7th International Conference on Multiphase Flow, ICMF 2010, Tampa, FL'.
- Kelesoglu, S. & Sjöblom, J. (2010), 'Synthetic Crude Oil', Submitted 2010.
- Amiri, A. (2010), 'Rheology of silica-based dispersions and Cross-sectional modeling of settling slurries', PhD thesis, NTNU.
- Brekken, C. (2010), 'Viscous Oil Modelling, FACE internal Expert Group recommendations', Technical report, FACE.

Fossen, M. (2010), 'Separation experiments and crude oil properties - Analysis of batch settling experiments delivered as in-kind to FACE by Statoil', Technical report, SINTEF.

Holmås, K. (2008), 'LINEAR STABILITY ANALYSIS OF LIQUID JETS', Technical report, IFE.

Krampa, F. (2009), 'FACE Project Viscous Oil Database: v1.0', Technical report, SINTEF.

Langsholt, M. & Zarruk, G. (2010), 'The Low Pressure Loop at IFE modified for FACE suspension work', Technical report, IFE.

Larsson, P.-E. (2009), 'Is dissipative particle dynamics a useful tool to model emulsion formation and coalescence?', Technical report, SINTEF.

Lo, S. (2008), 'STAR-CD modelling of closed-channel experiment', Technical report, CD-adapco.

Lo, S. (2008), 'Tutorial FACE-Channel1: Modelling Kelvin-Helmholtz instability in an oil-water interface', Technical report, CD-adapco.

Lo, S. (2009), 'Investigation of numerical parameters in simulation of oil-in-water jet experiments', Technical report, CD-adapco.

Lund, B. (2009), 'Executive summary of FACE reports on viscous oils', Technical report, SINTEF.

Magnusson, H. (2009), 'Production of model particles', Technical report, SINTEF.

Nossen, J. (2009), 'A literature study of multiphase flow with viscous oils', Technical report, IFE.

Nossen, J. & Fuchs, P. (2009), 'FACE GAP analysis for viscous oils', Technical report, IFE.

Nuland, S. (2010), 'Statistical moments to describe particle size distribution', Technical report, IFE.

Skartlien, R.; Sollum, E.; Meakin, P.; Furtado, K. & Smith, I. E. (2009), 'The Lattice Boltzmann Method with applications to multi-phase flow containing interfacially active components', Technical report, IFE and SINTEF.

Skjæraasen, O. & Skartlien, R. (2010), 'A Model of Turbulent Dispersions With 2-Way Coupling, Part I - Fundamentals and Derivation.', Technical report, IFE.

Smith, I. E. & Nossen, J. (2010), 'Comparisson of OLGA simulations and experiments on high viscosity oils', Technical report, SINTEF.

Sørland, G. H. (2008), 'Development of a fast and accurate method for determination of oil in

water or water in oil droplets', Technical report, Anvendt Teknologi AS.

Sørland, G. H. (2008), 'Characterisation of emulsions by NMR', Technical report, Anvendt Teknologi AS.

Zarruk, G. (2009), 'Dilute suspensions: a review of experimental observation on particle-laden wall-bounded flows', Technical report, IFE.