

Program – EnKF Workshop 2008:

Wednesday 18/06:

- 09:30-09:45: Welcome
- 09:45–10:30: Al Reynolds* (Univ. Tulsa), “Integrating production and seismic data into Gaussian and pluri-Gaussian models”
- 10:30-11:05: Remus G.Hanea* (TU Delft), “A comparison between adjoint based (representer) method and a sequential method (EnKF) for a flow in porous media application”
- 11:05-11:30: Break**
- 11:30-12:05: Ning Liu* (Chevron), Dean Oliver (Univ. Oklahoma), “Ensemble filter methods applied to nonlinear problems”
- 12:05-12:40: Dongxiao Zhang* (U. of Southern California), ”Stochastic Collocation Methods and Applications to EnKF”
- 12:40-13:40: Lunch**
- 13:40-14:25: Andrew Stuart* (Univ. Warwick), “Data assimilation in fluid mechanics: mathematical foundations and effective algorithms”
- 14:25-15:00: François Counillon* (NERSC), ”Application of a hybrid EnKF-OI for ocean forecasting ”
- 15:00-15:25: Break**
- 15:25-16:10: Dennis McLaughlin* (M.I.T.), B. Jafarpour (Texas A&M), “Towards a feature-based approach to ensemble data assimilation”
- 16:10-16:45: Kwangwon Park*, C. Scheidt, J. Caers (Stanford), “Ensemble Kalman filtering in distance-based kernel space”
- 16:45-17:20: Jon Gustav Vabø*, G. Evensen, J. Hove, J.-A. Skjervheim (StatoilHydro), ”Using the EnKF with kernel methods for estimation of non-Gaussian variables”
- 17.20-17.55: E. Della Rossa, Laura Dovera* (ENI),”Ensemble Kalman filter for Gaussian mixture models”
- 19:00: Dinner**

Thursday 19/06:

- 09:00-09:45: Henning Omre*, J. Sætrum (NTNU), ”Hierarchical scale-corrected EnKF”
- 09:45-10:20: Kristian Thulin* (CIPR), G. Nævdal (IRIS), H. J. Skaug (Univ. Bergen), S. I. Aanonsen (CIPR), “Quantifying Monte Carlo uncertainty in the EnKF”
- 10:20-10:40: Break**
- 10:40-11:15: Geir. Nævdal*, B. Vallès (IRIS), ”Coupled EnKF”
- 11:15-12:00: Akhil Datta-Gupta* (Texas A&M), “EnKF with coarse-scale constraints”
- 12:00-13:00: Lunch**
- 13:30-19:30: Cultural tour to Sivle Gård
- 20:00 Dinner**

Friday 20/06:

- 08:30-09:15: Jan-Arild Skjervheim*, Alexandra Seiler* (StatoilHydro), "Applying the ensemble Kalman filter on complex North Sea reservoir models"
- 09:15-09:50: Danila Kuznetsov*, D. Kachuma (Total), "Application of the EnKF with a flow based covariance localisation to a North Sea reservoir model"
- 09:50-10:25: Silvia Vimercati*, A. Cominelli, L. Dovera (ENI), G. Nævdal (IRIS), "Application and benchmark of EnKF methodology to a real field case"
- 10:25-10:45: Break**
- 10:45-11:20: G. Nævdal, Kristin M. Flornes* (IRIS), "Improved sampling"
- 11:20-12:05: Dean Oliver*, Y. Chen (Univ. Oklahoma), "Improved initial sampling of realizations for EnKF"
- 12:05-12:40: Sigurd I. Aanonsen* (CIPR), "Use of model errors with the EnKF"
- 12:40-12:50: Concluding remarks
- 12:50: Lunch**