

Program:

Tentative Program EnKF 2012

Monday 18/06/2012:

09:30-10:00:	Coffee & registration
10:00-10:15:	Welcome, Randi Valestrand (IRIS)
10:15-11:00:	Sigurd Aanonsen , (Statoil): "Use of ensemble Kalman filter and ensemble smoother in an operational environment. Application to a North Sea oil field"
11:00-11:30:	Martin Verlaan (TU Delft), J. Sumihaar (Deltares): "Ensemble-based observation sensitivity for forecasting of sea-level"
11:30-12:00:	Oliver Pajonk , (TU Braunschweig): "Comparison of square root updating schemes"
12:00-13:00:	Lunch
13:00-13:45:	Marc Bocquet (CEREA): "Combining inflation-free and iterative ensemble Kalman filters for strongly nonlinear systems"

13:45-14:15:	Kristian Fossum , (UNI CIPR): “Numerical assessment of Ensemble Kalman Filter and Randomized Maximum Likelihood”
14:15-14:45:	Stefano Raniolo , Laura Dovera (Eni), Yan Chen (IRIS): “History Matching of a Mature Reservoir Using the EnKF”
14:45-15:15:	Break
15:15-15:45:	Theophile Gentilhomme (CGGVeritas CRPG-CNRS): “Adaptive enRML using smooth multi-scale second-generation wavelet parameterization”
15:45-16:15:	Pallav Sarma (Chevron): “Preventing Ensemble Collapse and Preserving Geostatistical Variability Across the Ensemble with the Subspace EnKF”
16:15-17:15:	Poster session
18:30-	Dinner

Tuesday 19/06/2012:

08:30-09:15:	Dennis McLaughlin (MIT): “Reduced-order modeling for ensemble real-time control”
09:15-09:45:	Sturla Kvamsdal , Leif K. Sandal (NHH): “Fitting a marine foodweb model with the ensemble Kalman filter”
09:45-10:15:	Ehouarn Simon , Annette Samuelsen, Laurent Bertino, (NERSC), Dany Dumont (Universite du Quebec): “Estimation of positive sum-to-one constrained zooplankton grazing preferences with the DEnKF : a twin experiment”

10:15-10:45:	Break
10:45-11:15:	Bogdan Sebacher (TU Delft), Remus Hanea, Arnold Heemink (TNO): “Complex geology estimation using EnKF. A probabilistic approach”
11:15-12:00:	Henning Omre, (NTNU): “Uncertainty Quantification in the Ensemble Kalman Filter”
12:00-12:30:	Francois Counillon, Ingo Bethke, Mats Bentsen, Noel Keenlyside, Laurent Bertino , (NERSC): “Seasonal-decadal prediction with the EnKF and NorESM”
12:30-13:30:	Lunch
13:30-19:00:	Time off/Activities on your own; Hiking, boat trips, swimming, spa.
19:00 -	Dinner

Wednesday 20/06/2012:

08:30-09:15:	Hans Wackernagel (Ecoles des Mines): “Change of support in geostatistics and data assimilation”
09:15-09:45:	Rolf J. Lorentzen , (IRIS): “Transient well flow modeling and modern estimation techniques for accurate production allocation”
09:45-10:15:	Alexandre Emerick , Albert Reynolds (University of Tulsa): “Ensemble Smoother with Multiple Data Assimilation”

10:15-10:45:	Break
10:45-11:15:	Anahita Abadpour , Pierre Bergey (Total): “Constraining map properties to production data using ensemble based assisted history matching: a real field case study”
11:15-11:45:	Francois Counillon (NERSC): “Combine estimation of state/bias estimation with the Ensemble Kalman filter”
11:45-12:15:	Behnam Jafapour (University of Southern California), Mohammadali Tarrahi, (Texas A&M University): “Assimilation of Discrete Micro-Seismic Events into Reservoir Models with Ensemble Kalman Filter”
12:15-13:15:	Lunch
13:15-13:45:	Dan Sava , Olwijn Leuvenburgh, Remus Hanea (TNO): “Model-Order Reduction Applied in Production Optimization”
13:45-14:15:	Remus Hanea (TNO), Marcin Glegola (TU Delft): “Bias estimation in closed-loop reservoir engineering”
14:15-14:45:	Break
14:45-15:15:	Fei Zheng and Jiang Zhu (Institute of Atmospheric Physics, Chinese Academy of Sciences, Beijing): Coupled assimilation of both atmospheric and oceanic observations for ENSO prediction using an intermediate coupled model”
15:15-15:45:	Yan Chen (IRIS) and Dean Oliver (Uni CIPR): "Improved convergence in an iterative ensemble smoother"
15:45:	Concluding remarks

Posters:

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1. **Olwijn Leuwenberg** (TNO):
“Ensemble Kalman Filter for the
Matlab-based reservoir simulator
MRST”
 2. **Aurelius Zilco**, Anca Hanea (TU
Delft) , Remus Hanea (TU
Delft/TNO): “Non Parametric
Bayesian Networks (NPBNs) versus
Ensemble Kalman Filter (EnKF) in
Reservoir Simulation with
non-Gaussian Measurement Noise”
 3. **Yan Chen** (IRIS), Dean Oliver (Uni
CIPR): “Assimilation of Lagrangian
sensor measurements using the
ensemble Kalman filter”
 4. **Laurent Bertino**, Pavel Sakov,
François Counillon (NERSC): “Results
from the TOPAZ4 reanalysis”
 5. **Behnam Jafapour** (University of
Southern California): “Conditional
Facies Simulation from Multiple
Training Images with EnKF-Based
Mixture Model Probability
Conditioning Method”
 6. **Alexandre A. Emerick** and Albert
C. Reynolds (University of Tulsa),
“Investigation on the Sampling
Performance of Ensemble-based
Methods”

Speaker’s name written in **Boldface**
