

Thursday, January 31

Data assimilation techniques for reanalysis including ocean and land

9:00	V4-401	Applying Advanced Data Assimilation Techniques to Real Atmospheric Models Andrew C. Lorenc <i>Met Office, UK</i>
9:30	G4-411	Homogenization of the Global Radiosonde Temperature and Wind Dataset using Innovation Statistics from Reanalyses Leopold Haimberger, Christine Gruber, Stefan Sperka, Christine Tavorato <i>University of Vienna, Austria</i>
9:50	G4-412	How Can We Gain A Climate Quality Reanalysis If We Are Dependent Upon Radiosonde Data? Peter W. Thorne ¹ , Steve Sherwood ² , John Lanzante ³ <i>¹Met Office Hadley Centre, UK, ²Yale University, USA, ³National Oceanic and Atmospheric Administration, USA</i>
10:10 - 11:10	Poster and coffee break	
11:10	V4-421	Atmosphere-Land Coupled Data Assimilation by Using Satellite Microwave Radiometers Toshio Koike, David Ndegwa Kuria <i>The University of Tokyo, Japan</i>
11:40	G4-422	Reprocessing Long-term Satellite Data for Next Generation Reanalyses Cheng-Zhi Zou <i>NOAA/NESDIS/Center for Satellite Applications and Research, NOAA Science Center, USA</i>
12:00	G4-423	Use of the SSU and AMSU-A Observations in Reanalyses Shinya Kobayashi, Marco Matricardi, Dick Dee, Sakari Uppala <i>European Centre for Medium-Range Weather Forecasts, UK</i>
12:20 - 14:00	Lunch	
14:00	V4-431	Ensemble Kalman Filtering for Reanalysis Eugenia Kalnay <i>University of Maryland, USA</i>
14:30	G4-432	Ensemble Data Assimilation for Historical Reanalysis Jeffrey Whitaker ^{1,2} , Gilbert Compo ² , Prashant Sardesmukh ² <i>¹NOAA Earth System Research Lab., USA, ²University of Colorado/CIRES, USA</i>
14:50	G4-433	Use of the Ensemble Kalman Filter in the GMAO Ocean Data Assimilation System Christian L. Keppenne ^{1,2} , Michele M. Rienecker ¹ , Robin Kovach ^{1,2} , Jossy Jacob ^{1,2} <i>¹NASA GSFC, USA. ²SAIC, USA</i>

15:10 **G4-434** **GFDL's Coupled Ensemble Data Assimilation System, 1980-2006 Oceanic Reanalysis and Its Impact on ENSO Forecasts**

Shaoqing Zhang, Anthony Rosati, Matthew Harrison, Rich Gudgel
UCAR / GFDL / NOAA, Princeton University, USA

15:30 - 16:30 **Poster and coffee break**

16:30 **V4-435** **Developments of a Local Ensemble Transform Kalman Filter at JMA**

Takemasa Miyoshi¹, Yoshiaki Sato^{1,2}, T. Kadowaki¹, R. Sakai¹, M. Yamaguchi¹
¹*Japan Meteorological Agency, Japan*, ²*NOAA, USA*

17:00 **G4-436** **Particle Kalman Filtering for Data Assimilation in Meteorology and Oceanography**

Ibrahim Hoteit¹, Dinh-Tuan Pham², George Triantafyllou³, Gerasimo Korres³
¹*University of California at San Diego, USA*, ²*Université de Grenoble, France*, ³*Hellenic Center of Marine research, Greece*

17:20 **G4-437** **A Global 4D-Var Data Assimilation Experiment with a Fully Coupled GCM**

Nozomi Sugiura¹, Toshiyuki Awaji^{1,2}, Shuhei Masuda¹, Takashi Mochizuki¹, Takahiro Toyoda¹, Hiromichi Igarashi¹, Yoichi Ishikawa²
¹*FRCGC, JAMSTEC, Japan*, ²*Kyoto University, Japan*

17:40 **G4-441** **Developments in Bias Correction for Reanalysis**

Dick Dee, Sakari Uppala, Shinya Kobayashi, Magnus Lindskog, Adrian Simmons
European Centre for Medium-Range Weather Forecasts, UK

18:00 **G4-442** **Uncertainties in SST and Sea Ice Analyses**

Nick Rayner¹, the other members of the GCOS SST & SI Working Group
¹*Met Office Hadley Centre, UK*