



Summer School/Creative Workshop Data Assimilation & Inverse Problems – From *Weather Forecasting to Neuroscience*

July 22-26, 2013, University of Reading, United Kingdom

Data Assimilation is concerned with the reconstruction of the state of a dynamical system from measured data. It is usually employed in a cycled way, where data are used to correct or guide the dynamical system step by step, while forecasts are generated on a desired time grid. This is a key ingredient for important applications, for example for Numerical Weather Prediction (NWP) or predictions of Climate Change, but it is also increasingly employed in medical and industrial applications.

The Summer School and Creative Workshop on Data Assimilation and Inverse Problems at the University of Reading provides an introduction into the key concepts and techniques in the field both in algorithmic developments as well as important applications. In a framework which consists of introductory lectures by selected international experts in the field we aim to have time for mutual exchange and discussions in a relaxed and stimulating atmosphere at the green campus of the University of Reading.

Lecturers include: Steven Schiff, Behnam Jafarpour, Takemasa Miyoshi, Massimo Bonavita, Peter Grindrod, Tijana Janjic-Pfander, Roland Potthast, Peter-Jan van Leeuwen, Sarah Dance, Jochen Broecker, Nancy Nichols, Ingo Bojak, Hendrik Reich, Africa Perianez.

Local Organizers: Africa Perianez, Etienne Roesch, Ingo Bojak, Roland Potthast, Kelly Sloan and Douglas Saddy

Fee for Participants GBP 50,-. Lunches and Coffee will be provided.

Where to go to? The workshop takes place on the green Whiteknights Campus, see [Campus UoR](#), Details at [Campus Map](#), in the Nike Auditorium of the Agriculture Building (No. 59). From London-Heathrow Reading Station is easily accessible by Coach Bus (40min) RailAir, see <http://www.railair.com/>. Then, take the busses to Lower Earley/University, lines 20 or 21, compare [Buses Map](#), get off at Whiteknights House and walk 10 min to the eastern part of the campus.

http://www.inverseproblems.info/reading:summer_school_2013



List of Registered Participants

Nr.	Last Name	First Name	University or Organization
1	Ackmann	Jan	Max Planck Institute for Meteorology
2	Al-Hinaai	Jamal	Oman National Meteorological Service
3	Al-Sudairi	Khalifa	Oman National Meteorological Service
4	Arab	djebbar	Office nationale de la météorologie ONM
5	Arcucci	Rossella	CMCC (Euro Mediterranean Centre on Climate Change)
6	Arnold	Leo	Technische Universität München
7	Astrakova	Alina	University of Bergen
8	Bannister	Ross	University of Reading
9	Bojak	Ingo	University of Birmingham
10	Bonavita	Massimo	ECMWF
11	Broecker	Jochen	University of Reading
12	Chartier	Alex	University of Bath
13	Chima-Okereke	Chibisi	Active Analytics
14	Cruickshank	Tony	University of Edinburgh
15	Da Dalt	Federico	University of Bath
16	Dance	Sarah	University of Reading
17	Dubuc	Timothée	University of Reading
18	El-Said	Adam	University of Reading
19	Everitt	Richard	University of Reading
20	Fernandez del Rio	Ana	DWD
21	Gautam	Abhivyakti	Netaji Subhas Institute of Technology
22	Grindrod	Peter	University of Reading
23	Gunel	Korhan	Adnan Menderes University
24	Hai	Yang	University of Greenwich
25	Hamid	Laith	University Clinic of Schleswig-Holstein
26	Haslehner	Mylene	Ludwig-Maximilians-Universitaet Munich
27	Howes	Katherine	University of Reading
28	Hutton	Christopher	University of Exeter
29	Jafarpour	Behnam	University of Southern California
30	Janjic-Pfander	Tijana	LMU Munich
31	Jaumann	Stefan	Heidelberg University
32	Katzourakis	Nicholas	University of Reading
33	Kazanas	Konstantinos	Rhenish Institute for Environmental Research at the University of Cologne
34	Khajeh Alijani	Azadeh	University of Bern

35	Kirchgessner	Paul	Alfred-Wegene Institute
36	Lange	Heiner	Hans Ertel Centre for Weather Research, Data Assimilation Branch, LMU Munich
37	Lew	Eileen	Laboratory for Experimental Research on Behavior, University of Lausanne
38	MERCIER	Thibaud	INRIA
39	Meteyard	Lotte	University of Reading
40	Mey	Britta	Fraunhofer IWES
41	Miyoshi	Takemasa	RIKEN
42	Moiola	Andrea	Department of Mathematics and Statistics, University of Reading
43	Nadeem	Aamir	Institute of numerical and applied mathematics, University of Gottingen
44	Nahrstaedt	Janja	Lothar Collatz School, Department of Mathematics, University of Hamburg
45	Natkunam	kokulan	University of Greenwich
46	Nichols	Nancy	University of Reading
47	Panicciari	Tommaso	University of Bath
48	Perianez	Africa	DWD & University of Reading
49	Potthast	Roland	University of Reading
50	Prangle	Dennis	University of Lancaster
51	Reich	Hendrik	DWD
52	Roesch	Etienne	University of Reading
53	Sakkas	Dimitrios	Rhenish Institute for Environmental Research at the University of Cologne
54	Scheck	Leonhard	Karlsruhe Institute of Technology
55	Schiff	Steven	Penn State University
56	Sengupta	Biswa	University College London
57	Stappers	Roel	University of Reading
58	Stoyanov	Zhivko	University of Reading
59	Suzen	Mehmet	University of Bonn
60	Toedter	Julian	Goethe University
61	Ulvi	Iclal	Adnan Menderes University
62	van Leeuwen	Peter Jan	University of Reading
63	Wang	Lei	University of Waterloo
64	Wessel	Arne	Fraunhofer IWES
65	Yokota	Sho	Meteorological Research Institute, Japan Meteorological Agency
66	Zenker	Sven	University of Bonn