



3rd International Conference

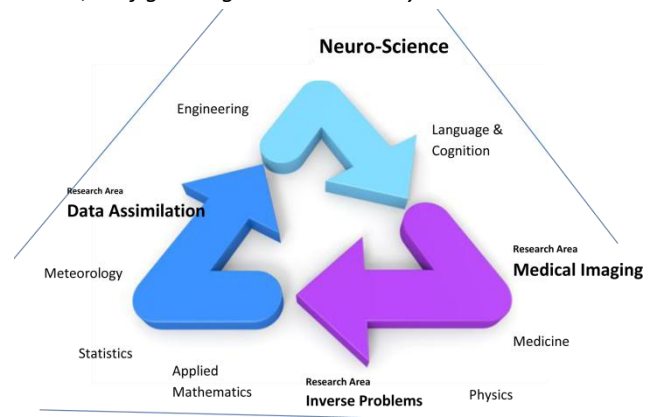
Neural Field Theory - From Modeling to Data Assimilation

June 16-18, 2014, University of Reading, United Kingdom

Neural Mass Modelling and Neural Field Theory is a growing and very active area of research with important applications in medicine and technology. Activities range from the simulation of neural populations to the analysis of neural field equations, from neural modelling of cognitive and psychological processes to controlling artificial devices. The connection between these models and measurement data, including large-scale data assimilation tasks, is of growing interest to many researchers.

The community includes researchers from medicine, psychology, physics, mathematics and engineering. The International Conferences on Neural Field Theory at the University of Reading contribute to the further development and shaping of this community by bringing together well-known and young researchers. Ideas from different fields meet here in a truly interdisciplinary and inspiring environment.

The 3rd International Conference on Neural Field Theory is following a highly successful series of conferences which took place in 2010 and 2012 at the University of Reading.



Invited/Plenary Speakers include: Basabdatta Bhattacharya, Ingo Bojak, Stephen Coombes, Wolfram Erlhagen, Martin Giese, Viktor Jirsa (tbc), Thomas Knösche, Mohamed Oubbati, Roland Potthast, Dimitris Pinotsis, Etienne Roesch, Nicolas Rougier, Mauro Ursino, Sid Visser, Fabrice Wendling, Axel Hutt

Organizers: Stephen Coombes, Peter beim Graben, Etienne Roesch, Ingo Bojak, Roland Potthast, Bashar Hasan, Kelly Sloan and Douglas Saddy

Preliminary Schedule

Time	Monday	Tuesday	Wednesday	Thursday	Friday
09:00-12:30	Brain Dynamics – Simulation and Numerics	Measurements and Evaluation – Simulation and Reality	Applications in Cognition	Brain Products Tutorial	Brain Products Tutorial
	Coffee	Coffee	Coffee	Coffee	
14:00-18:00	Big Brain Computations – the Challenge	Inversion and Data Assimilation – bringing Data into the Model	Neural Basis of Cognition	Brain Products Tutorial	Brain Products Tutorial
18:00	Icebreaker				

Fee for Participants GBP 75,-. Lunches and Coffee will be provided. Please register before April 15 online. Poster contributions welcome, reserve space before April 15!