NIPS2011 Satellite Meeting on
Causal Graphs: Linking Brain Structure to Function
Granada, December 11, 2011

9:00	Registration and Breakfast

Morning Session I – Chair Miguel Angel Muñoz

9:30	Welcome and Local Information
9:40	**Stefano Panzeri** – *Causality analysis in information flow from cortical time series*
10:20	**Bert Kappen** - *The binary Garrote*
10:40	Bjorn Roelstraete - *Does Partial Granger Causality really eliminate the influence of exogenous inputs and latent variables?*
11:00	Stefan Haufe - *New methods for EEG source connectivity analysis*
11:20	Coffee break

Morning Session II – Chair Jesus Cortes

11:40	Daniele Marinazzo - *Causal information approach to coping with a large number of variables*
12:00	Jan Kujala - *Characterization of epileptogenic networks by means of Granger Causality*
12:20	Daniel Chicharro - *Causal effects between brain regions: existence and quantification*
12:40	Shahar Jamshy - *Band-limited Granger causality analysis of human electrocorticography*
13:00	Karim Jerbi - *Measuring long-range neuronal coupling with magnetoencephalography and intracranial EEG: From basic neuroscience to clinical applications*
13:20	Lunch – Coffee – Poster presentation

Afternoon Session I – Chair Daniele Marinazzo

14:50	**Markus Kaiser** – *The human connectome*
15:30	Michael Wibral - *Combining interaction-latency reconstruction based on transfer entropy with graph-theoretical approaches to prune neural connectivity graphs*
15:50	Jaime Gomez - *Explaining the causal link between place cells and grid cells with category theory*
16:10	Derin Babacan - *Variational Bayesian Causal Connectivity Analysis for fMRI*
16:30	Coffee break

Afternoon Session II – Chair Sebino Stramaglia

16:50	Pieter van Mierlo - *Epileptogenic focus localization through functional connectivity analysis of the intracranial EEG*
17:10	Christian Moewes - *Brain connectivity associated with different damages of the visual system*
17:30	**Anil Seth** – *Causality in neuroscience*
18:10	**Discussion and concluding remarks** – Chair Andrea Greve