



Ecole thématique

SUMMER SCHOOL

Graphical models for the characterisation of information flow in complex networks: Application in neuroimaging

Schedule

Monday 8 July

10.00 – 12.00: *Milan Palus*, Information theory

12.00 – 12.30: questions/discussions

12.30 – 14.00: Lunch break

14.00 – 16.00: *Alberto Roverato*, Graphical models

16.00 – 16.30: Afternoon break, poster session

16.30 – 18.00: *Alberto Roverato*, Graphical models

18.00 – Late...: buffet dinner and drinks, poster session

Tuesday 9 July

09.00 – 10.30: Short talks by participants

F. Font-Clos, Belief Propagation on Metabolic Networks

A. Costard, Asymptotic Bayesian Gaussian graphical modeling initialized by graphical lasso.

O. Gurcan, Mimicking Human Neuronal Pathways using Self-Organizing Agents

10.30 – 11.00: Morning break, poster session

11.00 – 12.30: *Milan Palus*, Information theory

12.30 – 14.00: Lunch break

14.00 – 16.00: *Robert Castelo*, Practical session on Graphical models

16.00 – 16.30: Afternoon break

16.30 – 18.30: *Fabrizio De Vico Fallani*, clinical applications

19.30 – Late...: Gala, Le Verre à Soi

Wednesday 10 July

09.00 – 10.30: *Milan Palus*, Information theory
10.30 – 11.00: Morning break
11:00 – 12.30: *Alberto Roverato*, Graphical models
12.30 – 14.00: Lunch break
14.00 – 15.00: Discussions/questions, office hour
15.00 – 17.00: Tour of Grenoble by tourist office

Thursday 11 July

08.30 – 10.30: *Ed Bullmore*, brain connectivity networks
10.30 – 11.00: Morning break
11.00 – 12.30: Short talks by participants
 G. Auzias, Model-driven anatomical parcellation of the cortical surface
 C. Lithari, Neural dynamics of fear conditioning
12.30 – 14.00: Lunch break
14.00 – 16.00: *Dimitri Van de Ville*, fMRI and wavelets
16.00 – 16.30: Afternoon break
16.30 – 18.30: Short talks by participants
 J. Meier, Mathematical Analysis of Complex Brain Networks
 Y.-C. Lin, TBA

Friday 12 July

09.00 – 11.00: *Petra Vértes*, generative models
11.00 – 12.30: Discussions/questions, office hour
12.30 – 14.00: Lunch break
14.00 – 16.00: *Jonas Richiardi*, Practical machine learning with brain graphs

End of the summer school!