

Monday 6

- 8.30 *registration*
- 9.00 *opening*
- 9.30 [INVITED] **Dmitri Krioukov**
Random geometric graphs as models of complex networks
- 10.20 **Kaj Kolja Kleineberg**
Geometric correlations mitigate the extreme vulnerability of multiplex networks against targeted attacks
- 10.40 **Carlo Vittorio Cannistraci**
The 'dramatic' impact of local-topology self-organization and latent geometry on link prediction in complex networks
- 11.00 *coffee break*
- 11.30 [INVITED] **Ginestra Bianconi**
Simplicial complexes and emergent network geometry
- 12.20 **Sergey Dorogovtsev**
Complex view of evolving manifolds
- 12.40 **Juan Fernández-Gracia**
Using Gromov-Wasserstein distances to compute how far are two graphs
- 13.00 *lunch*
- 15.00 **Guillermo García-Pérez**
Multiscale unfolding of real networks by geometric renormalization
- 15.20 **Asher Mullokandov**
Geometry, criticality and renormalization group analysis of networks
- 15.40 [FLASH] **Elisenda Ortiz**
Navigability of temporal networks in hyperbolic spaces
- [FLASH] **Ivan Voitalov**
Geohyperbolic routing and addressing schemes
- [FLASH] **Matthew Garrod**
Microscopic properties drive large fluctuations in the algebraic connectivity of random geometric graphs
- [FLASH] **Gorka Zamora-López**
Sizing the length of small-world networks
- 16.00 *coffee break*
- 16.30 **Gregorio Alanis-Lobato**
GAPI: A web tool for the geometric analysis of the human protein interactome
- 16.50 **Alessio Cardillo**
To vaccinate or not to vaccinate? A coevolutionary dilemma
- 17.10 [FLASH] **Alessandro Muscoloni**
Modelling non-uniform hyperbolic geometry in complex networks
- [FLASH] **Owen Courtney**
Generalized network structures: The configuration model and canonical ensemble of simplicial complexes
- [FLASH] **Charles Murphy**
Geometric evolution of complex networks
- [FLASH] **Timoteo Carletti**
Crawling in crowded conditions allows to reconstruct the network structure
- 17.30 *approximate ending*

Tuesday 7

- 9.30 [INVITED] **Fragkiskos Papadopoulos**
Latent geometry of multilayer networks
- 10.20 **Thomas Bläsius**
Embedding networks in the hyperbolic plane
- 10.40 **Nikolaos Fountoulakis**
A continuum percolation framework for hyperbolic network geometry
- 11.00 *coffee break*
- 11.30 [INVITED] **Mason Porter**
Persistent homology of spatial networks
- 12.20 **Jürgen Hackl**
Modelling complex transportation systems with multi-layer spatially embedded random networks
- 12.40 **Ignacio Morer**
Transportation networks from archaeological evidences: the benefits of a simple model
- 13.00 *lunch*
- 15.00 [INVITED] **Marc Barthelemy**
Recent results in the characterization of spatial networks
- 15.50 *cava & beer*
- [POSTER] **Malbor Asllani**
Topological resilience in non-normal networked systems
- [POSTER] **Lluc Font**
Modelling railway networks to understand the relationships among central and peripheral places
- [POSTER] **Maximilian Katzmann**
Hyperbolic spring embeddings
- [POSTER] **Barbara Mahler**
Analysis of contagion maps on a class of networks that are spatially embedded in a torus
- [POSTER] **Alessandro Muscoloni**
Latent geometry network markers for brain diseases
- [POSTER] **Fabio Strazzeri**
Morse theory clustering with hierarchical metadata
- [POSTER FROM FLASH] **Timoteo Carletti**
- [POSTER FROM FLASH] **Owen Courtney**
- [POSTER FROM FLASH] **Matthew Garrod**
- [POSTER FROM FLASH] **Charles Murphy**
- [POSTER FROM FLASH] **Alessandro Muscoloni**
- [POSTER FROM FLASH] **Elisenda Ortiz**
- [POSTER FROM FLASH] **Ivan Voitalov**
- [POSTER FROM FLASH] **Gorka Zamora-López**
- 17.30 *approximate ending*
- 20.00 *social dinner*

Wednesday 8

- 9.30 [INVITED] **Hernán A. Makse**
Essential nodes and keystone species in the brain and ecosystems
- 10.20 **Cristina Masoller**
Complex networks tools for investigating large-scale atmospheric phenomena
- 10.40 **Jordi Levy**
Popularity and similarity in SAT
- 11.00 *coffee break*
- 11.30 **Antoine Allard**
The effective navigable geometry of the brain
- 11.50 **Esther Ibáñez-Marcelo**
Topology and curvature of brain functional networks
- 12.10 **Claudio Castellano**
Topological determinants of complex networks spectral properties:
structural and dynamical effects
- 12.30 **Ramon Ferrer-i-Cancho**
The origins of the scarcity of crossing dependencies in languages
- 12.50 *lunch*
- 15.00 [INVITED] **Alessandro Vespignani**
TBA
- 15.50 *coffee break & closing*