

Land Environment Resources and Health - LERH  
PhD Program



Short course

# Statistical Social Network Analysis with R

## Instructors:

**Alberto CAIMO** – Lecturer in Statistics – *Dublin  
Institute of Technology (Ireland)*

**Isabella GOLLINI** – Lecturer in Statistics – *Birkbeck  
University of London (UK)*

TIME	DAY 1	DAY 2
Day:	28 June 2017	29 June 2017
Room:	Aula Bonsembiante TESAF	Aula Scattolin TESAF
10.00 - 12.00	<b>Introduction to network models:</b> (1) Network as random graphs (2) Network statistics (3) Network simulation (4) Exponential random graph models	<b>Bayesian inference for network models</b>  Lab tutorial with R
12.00 - 13.00	Lab tutorial with R	
	Lunch Break	
14.00 - 16.00	<b>Classical inference for network models</b> (1) Intractable likelihoods (2) Maximum likelihood estimation (3) Goodness of fit diagnostics	
16.00 - 17.00	Lab tutorial with R	

For further info please contact:

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