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SB - Institute of Mathematics - ANMC

SEMINAR OF MATHEMATICS

➤ **WEDNESDAY 31 JANUARY 2018, 11:00 - CIB lecture hall BI A0 448**

Prof. Sofia OLHEDE (University College London, U.K.)
will present a seminar entitled:

“Network data analysis”

Abstract:

A network is a set of entities (vertices) and binary relationships (edges) between them. Statistical analysis of such objects is hindered by the fact that the vertex labelling of the network normally does not carry any information, the network is made from a very large set of vertices, and the number of network edges is relatively modest. A natural assumption to make in this setting is that the network is a realisation of an exchangeable array. I will discuss different methods of data analysis for such types of data with weak assumptions on the data generating mechanism, and what information can be gleaned from different data summaries that both carry structural information, and a notion of scale.

Lausanne, 18 January 2018/ AA/cr

The seminars are announced at <https://math.epfl.ch/>