Ph.D. programme
in Mathematics and Computer Science

Title: Social Network Analysis

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The years following the emergence of the web can be seen as the years of the social computing. Several social applications appeared, such as facebook and twitter. Technological and economical systems we use in our everyday life are based on extremely complex networks and it is getting more and more difficult to understand how these systems work. To deal with these new systems we have to change our paradigm and learn to reason about an highly interconnected world. It is of fundamental importance to be able to understand how these networks work and recognize and control the processes that develop in a network. This course aims to give students the tools to better understand and control highly connected networks, with particular emphasis to social and information networks technologically mediated.

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