



PLAN DE RECHERCHE - Page de couverture
RESEARCH PLAN - Cover Page

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Date d'immatriculation <i>Date of enrolment</i>	01.09.2015	

Titre provisoire de la thèse <i>Provisional title of the thesis</i>	Gaussian Processes to Study the Joint Dynamics of Networks and Time Series
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Resumé / Abstract *

Gaussian processes are a class of statistical models whose popularity in Machine Learning has been increasing dramatically in recent years. They provide a powerful framework for regression and classification, while exhibiting great flexibility and interpretability. We describe in this work how they can be extended into a recurrent structure to learn dynamical patterns and how they can model spatio-temporal point processes. This will lead us to the study of co-evolutionary network and time series, and how Gaussian processes can be exploited to improve the existing joint dynamics models.

*Résumé et plan de recherche lus et approuvés / *Abstract and research plan read and approved

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