



## **Mining Dynamic and Augmented Graphs**

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In this talk, we will present the data mining (especially pattern mining) methodology through several use cases (co-authorship network, Velo'v network, US domestic flights, landslides analysis from satellite images). To this end, we will explain how to define the apriori interest of the end-user, how to take into account statistical assessments, the interest of being exhaustive or not, and how to avoid parameter setting issue. In all the cases, the dynamic graphs we consider are augmented with additional information (some pieces of information are available on the vertices and/or the edges). We will demonstrate how we can exploit such additional information that is often available in practice.