

# Séminaire de Probabilités et Statistique

**Mardi 11 février à 14h00**

Laboratoire Dieudonné  
Salle de conférence - LJAD

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*Gromov-Wasserstein divergence and extensions: optimal  
transport between distributions across spaces*

In this talk I will introduce and illustrate the Gromov-Wasserstein (GW) distance, that allows comparison of distributions lying in different metric spaces. I will discuss special cases where the GW can be computed efficiently. Next I will show how GW can be extended to the case where part of the space is shared between the distributions with the Fused Gromov-Wasserstein distance. Finally I will present several applications of GW and FGW on structured data and for learning generative models.