



## Mathematics and CS Seminar

# Sharp comparison between the 1-Wasserstein distance and its sliced version

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Wasserstein distances are known to be costly to compute in high dimensions, this is why their sliced variants that only involve their one-dimensional projections have been proposed as a tractable surrogate, indeed quite popular in applications. But how reliable is really this surrogate? In this talk, based on a joint work with Alessio Figalli, Quentin Mrigot and Yi Wang, I will discuss some sharp comparison results.

**Tuesday, November 5, 2024 03:30pm - 04:30pm**

Office Bldg West / Ground floor / Heinzl Seminar Room (I21.EG.101)



This invitation is valid as a ticket for the ISTA Shuttle from and to Heiligenstadt Station.

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