

## **BV curves of measures**

Riccarda Rossi (University of Brescia, Italy)

Representation results for absolutely continuous curves with values in the Wasserstein space of Borel probability measures in  $\mathbb{R}^d$  with finite  $p$ -moment,  $p > 1$ , provide a crucial tool to study evolutionary PDEs in a measure-theoretic setting. They are strictly related to the superposition principle for measure-valued solutions to the continuity equation.

This talk revolves around the extension of these results to the case  $p = 1$ , *and* to curves that are only of *bounded variation* in time. Based on a joint collaboration with Stefano Almi (Napoli) and Giuseppe Savaré (Milano).