

**Michal DOUCHA, Institute of Mathematics,
Czech Academy of Sciences (Prague)**

“Isometries of Lipschitz-free Banach spaces”

In this talk I will present a large class of (mostly non-geodesic) metric spaces for which we can precisely describe all surjective isometries of the corresponding Lipschitz-free spaces. This includes all (infinite and weighted) graphs, but also a lot of non-discrete metric spaces containing large Euclidean subspaces, e.g. non-abelian Carnot groups equipped with homogeneous horizontally strictly convex norms.

This extends earlier results in this direction by Mayer-Wolf, Weaver, and Alexander, Fradelizi, García-Lirola, and Zvavitch.

This is joint work in progress with M. Cúth and T. Titkos.
