ALEXIA YAVICOLI, The University of British Columbia
The Erdős similarity problem for non-small Cantor sets

The Erdős similarity conjecture posits that any infinite set of real numbers cannot be affinely embedded into every measurable set of positive Lebesgue measure. I will show that Cantor sets of "positive logarithmic dimension" satify the Erdős similarity conjecture. This talk is based on a work in progress with Pablo Shmerkin.