1148-46-62 **Alexandros Eskenazis*** (ae3@math.princeton.edu), Fine Hall, Washington Road, Princeton, NJ 08540, and **Manor Mendel** and **Assaf Naor**. *Nonpositive curvature is not coarsely universal.*

A complete geodesic metric space of global nonpositive curvature in the sense of Alexandrov is called a Hadamard space. In this talk we will show that there exist metric spaces which do not admit a coarse embedding into any Hadamard space, thus answering a question of Gromov (1993). The main technical contribution of this work lies in the use of metric space valued martingales to derive the metric cotype 2 inequality with sharp scaling parameter for Hadamard spaces. The talk is based on joint work with M. Mendel and A. Naor. (Received January 23, 2019)