

# Welcome Home Workshop 2014

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LINGUA PER LA CONFERENZA: italiano/inglese

TITOLO: A geometrical hike in symbolic dynamics

## **Abstract**

We present how some ergodic problems in the theory of symbolic dynamical systems can be approached geometrically. In particular we give an overview of the Pisot conjecture and we introduce the tilings by Rauzy fractals, which play an important role in this setting. We move then to the  $S$ -adic shifts world, closely related to continued fraction algorithms and certain adic systems.