

INVITATION TO A GUEST LECTURE

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“A Family of Measures Related to Automata and Pisot Numbers”

📍 V.1.01

📅 Wednesday, 16 September 2026

🕒 10:15 a.m.

Abstract

We study measures that are obtained as push-forwards of measures of maximal entropy on sofic shifts under digital maps $(x_k)_{k \in \mathbb{N}} \mapsto \sum_{k \in \mathbb{N}} x_k \beta^{-k}$, where $\beta > 1$ is a Pisot number. We characterise the continuity of such measures in terms of the underlying automaton and show a purity result.

Clemens Heuberger and the Department of Mathematics look forward to seeing you at the talk!