

The Andrzej Pelczar  
Memorial Lecture  
Maciej P. Wojtkowski

**„The Andrzej Pelczar Memorial Lecture: Tilings and Markov Partitions”**

We will explore the connection between symmetry of 1-dimensional tilings and Markov partitions. The symmetries are furnished by Pisot substitutions and the corresponding toral automorphisms have Markov partitions with the number of elements equal to the number of different tiles. The talk will be a fair mixture of algebra, geometry and dynamics.