CAFE-Dyn
Workshop in Complexity, Aperiodicity, Fractal and Ergodicity in Dynamics
February 10, 11 and 12, 2026 *IMECC - UNICAMP - Campinas (Brazil)*

Topological and Entropic Properties of Dynamical Systems on Colored Trees

Alexandre Baraviera
Univ. Federal do Rio Grande do Sul

Trees are structures that, in some sense, interpolates between one-dimensional and multidimensional lattices; attaching a color (an element of a given alphabet) to each point of the tree one get a colored tree, where some natural dynamics can be defined, corresponding to shifts (or subshifts). In this talk I would like to present some topological results for two classes of trees, one corresponding to a certain subshift of finite type (where entropy can be described) and the other to a kind of substitution, that gives rise to an aperiodic lattice. Those results are a joint work with A. Becker, A. Cordeiro and R. Leplaideur.

SLIDES

Thursday - February 12, 2026 - 14:00 - 15:00
253 - Thesis Defense Room - 2nd Floor IMECC

CAFE-Dyn
Workshop in Complexity, Aperiodicity, Fractal and Ergodicity in Dynamics
February 10, 11 and 12, 2026 *IMECC - UNICAMP - Campinas (Brazil)*

TBA

Milton Cobo
Univ. Federal do Espírito Santo

TBA

SLIDES

Wednesday - February 11, 2026 - 14:00 - 15:00
253 - Thesis Defense Room - 2nd Floor IMECC