Title : Universality in dynamical systems

Abstract : A dynamical system is called universal if any system with lower entropy can be embedded into it. In this talk, first, I will review results in the setting of $\mathbb{Z}^d$-actions. I will then discuss universality in the context of $\mathbb{R}^d$-flows and a specification-type property that implies universality. I will provide an example of a tiling of $\mathbb{R}^d$ with this specification property. This is joint with Tom Meyerovitch.