The dynamical Kirchberg-Phillips theorem

Jamie Gabe

The Kirchberg-Phillips theorem from the mid 1990's was one of the early major breakthroughs in the Elliott classification programme for nuclear C*-algebras, giving a complete classification of Kirchberg algebras (in the UCT class) using K-theory. I will explain how this theorem can be generalised to classify amenable and suitably outer locally compact group actions on Kirchberg algebras, which as a special case confirms a conjecture of Izumi. This is joint work with Gábor Szabó.

Bio: Jamie Gabe is a Danish mathematician, who finished his PhD in 2015 from University of Copenhagen, and since 2020 has been at University of Southern Denmark, first as Assistant Professor, and since 2022 as Associate Professor.