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Friday,
February 11, 2022

10:30 A.M.
to 11:30 A.M.

Via Zoom



Classification questions in operator algebras and ergodic theory

The theme of this lecture is the dichotomy between amenability and non-amenability, both in operator algebras and ergodic theory. I will review the fundamental classification results for amenable von Neumann algebras due to Connes and Haagerup. Then I will focus on the nonamenable case, where Popa's deformation/rigidity theory has led to striking rigidity theorems for von Neumann algebras associated with groups and actions of groups on measure spaces. I will survey some recent results, including the computation of invariants of II_1 factors and the challenging problem of deciding when II_1 factors can be embedded one into the other.

Please pre-register at:

<https://uregina-ca.zoom.us/meeting/register/tJYtdumorjlsE9B3-45OTMYPkQLRjnalZLHM>