PIMS Distinguished Lecture Series

Mathematics and Statistics

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Tuesday,
May 4, 2021

11:00 A.M.
to 12:00 P.M.

Via Zoom

Classification and rigidity for group von Neumann algebras

Any countable group *G* gives rise to a von Neumann algebra L(*G*). The classification of these group von Neumann algebras is a central theme in operator algebras. I will survey recent rigidity results which provide instances when various algebraic properties of groups, such as the presence or absence of a direct product decomposition, are remembered by their von Neumann algebras. I will also explain the strongest such rigidity results, where L(*G*) completely remembers *G*, and discuss some of the open problems in the area.

Please pre-register at:

https://uregina-ca.zoom.us/meeting/register/tJwscO6orTksHNKm1IAqSK7qNEH1-AMvzbBw

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