

## Christelle Gebara: Nonparabolic $\Gamma$ -near innity operators

*mercredi 17 décembre 2025 16:00 (30 minutes)*

In this talk we will first introduce the notion of  $N\Gamma$ -Hilbert space as introduced by Wolfgang Lück in 1997. Then, we will introduce the notion of  $\Gamma$ -Fredholm operators defined between  $N\Gamma$ -Hilbert space. And finally, the goal of the presentation is to define nonparabolic  $\Gamma$ -near infinity operators and show how they induces  $\Gamma$ -Fredholmness on admissible domains