## ISRAEL MICHAEL SIGAL, University of Toronto

Some Rigorous Results on Propagation of Quantum Information

In this talk I present some recent results on evolution of quantum correlations and states, and on quantum messaging in general many-body quantum lattice systems. The proofs are derived from a new type of the Lieb-Robinson bound. The talk based on a joint work with Jérémy Faupin, Marius Lemm and Jingxuan Zhang.