## JUN KIGAMI, Kyoto University

Ahlfors regular conformal dimension of metric spaces and parabolic index of infinite graphs

In this talk, I am going to explain an analytic characterization of Ahlfors regular conformal dimension. Through this characterization, one can see a connection between Ahlfors regular conformal dimension of a metric space and the parabolic index of the infinite graph associated with a "brow-up" of the metric space.