

# MIZUTANI, Haruya (Osaka)

## **Title:**

”Strichartz estimates for Schrödinger equations on manifolds with ends”

## **Abstract:**

Strichartz estimates are known to be useful for studying nonlinear dispersive equations and have been extensively studied under various conditions for underlying manifolds. In this talk, we will discuss Strichartz estimates for Schrödinger equations on a class of non-compact manifolds with ends. Our class of manifolds includes both of asymptotically conic and hyperbolic manifolds. The condition on the metric is characterized by the expansion rate of the end and much weaker than the usual long-range condition.