

# Lie Group and Representation Theory Seminar

Date: November 2 (Tue) 16:30–17:30

Place: RIMS Room 402

Speaker: **服部 俊昭** Toshiaki Hattori (T.I.T.)

Title: On essential spectrum of manifolds with ends

Abstract:

We find a sufficient condition written in a geometric language for the existence of bands of essential spectrum of complete noncompact Riemannian manifolds and consider the lower bound of the essential spectrum. By using them, we recover some of the known results for locally symmetric spaces of finite volume and treat the complete manifolds of infinite volume obtained from manifolds with corners.

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Prior to this seminar, Hattori will give an introductory lecture on related topics from 15:00–16:00 in the same room.

セミナー連絡先： 数理解析研究所 小林俊行