

# 外国专家系列学术讲座

2023  
MATHEMATICS

Title: Spectral inequalities on manifolds with negative curvature

Professor Ari Laptev, Imperial College of London

Abstract: In this talk we obtain Lieb-Thirring inequalities on manifolds with a constant negative curvature and discuss Weyl asymptotics for Dirichlet Laplacian using coherent state transformation



Professor Ari Laptev is a member of Academia Europaea, a member of the Royal Swedish Academy of Sciences, a fellow of the European Academy of Sciences (EurASc), and the head of Department of Mathematics at Imperial College London. He was the president of the European Mathematical Society (2007—2010). Professor Laptev is a worldwide eminent mathematician in Spectral Theory of Partial Differential Equations, in particular, Schrödinger operators; Polya conjecture; Lieb-Thirring inequalities; Trace formulae; Inverse problems; Global solutions of Wave Equations; Pseudodifferential Operators. Ari Laptev graduated from Leningrad State University and obtained his PhD in 1978. In 2001-2003 Prof. Laptev was the President of the Swedish Mathematical Society. In 2007 he received the Royal Society Wolfson Research Merit Award. He was the Director of Institut Mittag-Leffler between 2011 and 2018. He was the Editor-in-Chief of *Acta Mathematica*, the Deputy Chief Editor of *Journal of Spectral Theory*, the Editor of *Bulletin of Mathematical Sciences*, and the Editor of *Problems in Mathematical Analysis*.

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地点：Zoom ID: 885 9643 8543

链接 <https://us06web.zoom.us/j/88596438543>



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