THE UNIVERSITY   **OF HONG KONG**

Institute of Mathematical Research
Department of Mathematics

Number Theory Seminar

Central *L*-values of the cuspidal Asai lifts

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Abstract

For an Hilbert-Hecke cusp form over a real quadratic field of $\mathbb{Q}$, its Asai lifts is an automorphic form on $GL(4)$ over $\mathbb{Q}$, whose associated degree 4 *L*-function is obtained by restricting the Fourier coefficients on rational integers. This is an important known example of Langlands' far-reaching functoriality conjectures.

In this talk we'll describe some interesting analytic aspects of Asia lifts, in particular our recent work on sharp bound for the second moment of their central *L*-values.

Date:	May 29, 2024 (Wednesday)
Time:	4:00 – 5:00pm
Venue:	Room 210, Run Run Shaw Building, HKU

All are welcome