

## **abstract**

SHIMURA VARIETIES AND TRACE FORMULA SEMINAR

Topic:

Speaker:

Affiliation:

Date:

Time/Room:

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Harish-Chandra established the Plancherel formula for reductive groups over local fields, in which formal degrees and Plancherel measures are key ingredients. In this talk, we give a natural extension of Langlands' conjecture, which relates Plancherel measures and local L and epsilon factors, to formal degrees. Using twisted endoscopy, we also prove the conjecture for stable discrete series of  $U(3)$  over non-archimedean local fields of characteristic zero. This is joint work with Kaoru Hiraga and Tamotsu Ikeda.