Department of Mathematics, BGU

AGNT

On *Wednesday, June ,19 2024*

At *13:10 − 14:10*

In *101-*

Francesco Maria Saettone (Ben Gurion University)

will talk about

TBA

Abstract: Equidistribution of "special" points is a theme of both analytic and geometric interest in number theory: in this talk I plan to deal with the case of CM points on Shimura curves.

The first part will be devoted to a geometric description of the aforementioned curves and of their moduli interpretation.Subsequently, I plan to sketch an equidistribution result of reduction of CM points in the special fiber of a Shimura curve associated to a ramfiied quaternion algebra. Time permitting, I will mention how Ratner's theorem and subconvexity bounds on Fourier coefficients of certain theta series can be used to obtain two dffierent equidistribution results.

Please Note the Unusual Time!