- Name: Daniele Casazza (ICMAT)

- Title : Pullbacks of Siegel forms and algebraicity of L-values (with a view to p-adic L-functions)

- Abstract: I will report on an explicit central value formula for a complex L-series of degree 6 associated with a pair of cuspidal Hecke eigenforms f and g of weights $2k$ and $k+1$, respectively. Namely, the L-series associated with the tensor product of the Galois representation attached to f and the symmetric square of the one attached to g. Such formula involves the pullback of a Siegel cusp form associated with f (its Saito–Kurokawa lift), and allows us to prove the algebraicity of the central L-value up to the relevant period as predicted by Deligne's conjecture. One of the interests in this central value formula is the construction of a p-adic L-function that would arise as a factor of the triple product p-adic L-function associated with a triple of Hida families (F, G, G). This is joint work with Aprameyo Pal (Essen) and Carlos de Vera (UB).

- Date and place 10:00 on 25/02/2019 at Room T1 of UB's historical building at Placa Universitat.

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