

Arithmetic and Algebraic Geometry: A conference in honor of Ofer Gabber  
on the occasion of his 60th birthday

Contribution ID: 3

Type: **not specified**

## Hilbert's thirteenth problem and the moduli space of abelian varieties

*Monday, June 11, 2018 4:00 PM (1 hour)*

The (multi-valued) solution of a general polynomial of degree  $n$  is a priori a function of  $n-1$  variables. Hilbert's thirteenth problem and its variants ask when such functions can be written as a composite of functions in a smaller number of variables. I will explain some progress on this question which uses the geometry of  $A_g$ . This is joint work with Benson Farb and Jesse Wolfson.

**Presenter:** KISIN, M. (Harvard)