

Sophia University

Mathematics Colloquium

When: Friday, December 2, 2016, 17:15-18:30

Where: Room No. 201, Main Bldg., Ichigaya-Campus

Speaker: Fumiharu Kato (Tokyo Institute of Technology)

Title: Henselian rigid spaces and applications

Abstract:

This is partly a joint-work with Shuji Saito (Tokyo Institute of Technology). Henselian rigid geometry is the 'henselian-analytic' version of the rigid geometry, where spaces are derived from henselian schemes, instead of formal schemes. There are several interesting aspects of this analytic geometry, many of which indicate its inherent richness in application to algebraic geometry.

We will discuss some of its foundations, and applications to algebraic geometry, which convey the interesting analytico-algebraic 'hybrid nature' of henselian rigid geometry.