

2016 NCTS Summer School on Shimura Varieties & Related Topics

May 23-27, 2016

Rm 440, Astro-Math Bldg. (NTU)

The goal of this instructional activity to promote regional research in Arithmetic Geometry. The topics in this summer school are fully focusing on the geometry of PEL-type Shimura varieties in positive characteristic. The geometry of certain subvarieties provide rich information which is useful in managing Galois representations and arithmetic. Moreover, this summer school may also serve as some background for the workshop held in the next week.

Lectures:

1. Paul Hamacher (Technische Universität München)
Geometry of Newton Strata (5 Lectures)
2. Brian Smithling (Johns Hopkins University)
Local Models (5 Lectures)
3. Torsten Wedhorn (Technische Universität Darmstadt)
Ekedahl-Oort Strata (5 Lectures)
4. Chia-Fu Yu (Academia Sinica)
Kottwitz-Rapoport Strata (3 Lectures)

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