

The seventh Takagi Lectures

Graduate School of Mathematical Sciences

The University of Tokyo, Tokyo, Japan

Program

November 21, Saturday

12:30--13:25 Registration and Coffee

13:25--13:30 Opening

13:30--14:30 **Uwe Jannsen** (Universität Regensburg)
Weights in arithmetic geometry (I)

15:00--16:00 **James McKernan** (Massachusetts Institute of Technology)
Mori dream spaces (I)

16:00--17:00 Coffee/Tea Break

17:00--18:00 **Michael Hopkins** (Harvard University)
The Kervaire invariant problem (I)

November 22, Sunday

10:00--11:00 **Chandrashekhara Khare** (University of California, Los Angeles)
Serre's conjecture and its consequences (I)

11:30--12:30 **Michael Harris** (Université Paris 7)
Arithmetic applications of the Langlands program (I)

12:30--14:30 Lunch Break

14:30--15:30 **Uwe Jannsen** (Universität Regensburg)
Weights in arithmetic geometry (II)

15:30--16:30 Coffee/Tea Break

16:30--17:30 **James McKernan** (Massachusetts Institute of Technology)
Mori dream spaces (II)

November 23, Monday

09:30--10:30 **Michael Hopkins** (Harvard University)
The Kervaire invariant problem (II)

11:00--12:00 **Chandrashekar Khare** (University of California, Los Angeles)
Serre's conjecture and its consequences (II)

12:30--13:30 **Michael Harris** (Université Paris 7)
Arithmetic applications of the Langlands program (II)

13:30--14:30 Workshop closing with drinks

Organizing Committee

Y. Kawahigashi, T. Kobayashi, H. Nakajima, K. Ono, T. Saito

The Mathematical Society of Japan
Graduate School of Mathematical Sciences,
The University of Tokyo