

**11TH CONFERENCE OF ARITHMETIC AND
ALGEBRAIC GEOMETRY, 2018**

Date: 22(Mon)-25(Thu)/January/2018

Place: Auditorium, Graduate School of Mathematics, University of Tokyo

New Program

The changed talks is marked *.

22(Mon)/Jan:

10:00-11:00 David Jarossay,

" p -adic multiple zeta values and p -adic pro-unipotent harmonic actions."

11:30-12:30 Michael Groechenig,

" p -adic integration for the Hitchin system."

14:30-15:30 Piotr Achinger,

"Wild ramification and $K(\pi, 1)$ spaces"

23(Tue)/Jan:

*10:30-11:30 Atsushi Ito,

"On Grothendieck ring of varieties and derived equivalence."

*11:45-12:45 Kenji Hashimoto,

"Symplectic automorphisms of K3 surfaces and applications."

*14:15-15:15 Yohsuke Matsuzawa,

"The height growth along the orbits of rational self-maps and the dynamical degrees"

*15:30-16:30 Hiromou Tanaka,

"Kodaira vanishing theorem for Witt canonical sheaves."

*16:45-17:45 Toshiyuki Katsura,

"Classification of Enriques surfaces with finite automorphism group in characteristic 2."

18:00-20:00: Banquet,

Faculty House in Komaba.

24(Wed)/Jan:

10:00-11:00 Atsuhira Nagano,

"Analogues of Kronecker's Jugendtraum from the viewpoint of toric K3 hypersurfaces."

11:30-12:30 Kazuaki Miyatani,

" p -adic hypergeometric D -modules and multiplicative convolution"

*14:00-15:00 Yusuke Okuyama,

"Arithmetic and algebraic Geometry of the moduli of complex dynamics"

*15:15-16:15 Liang-Chung Hsia,

"Unlikely intersection for family of Hénon maps"

*16:30-17:30 Olivier Wittenberg,

"Zero-cycles on homogeneous spaces of linear groups."

25(Thu)/Jan:

10:00-11:00 Yuri Yatagawa,

"Characteristic cycle and ramification of a constructible sheaf."

11:30-12:30 Michel Brion,

"Actions of connected algebraic groups on normal varieties."

Organizing Committee:

Fumiharu Kato (TIT),

Shigeyuki Kondo (Nagoya Univ.),

Keiji Oguiso (Univ. Tokyo)

Tomohide Terasoma (Univ. Tokyo)

This workshop is supported by

JSPS, Grant in Aid(S), No 15H05738(Shigeyuki Kondo)

JSPS, Grant in Aid(S), No 16H06335(Atsushi Moriwaki)

JSPS, Grant in Aid(A), No 15H02048(Tomohide Terasoma)

JSPS, Grant in Aid(B), No 17H02832(Fumiharu Kato)

JSPS, Grant in Aid(B), No 15H03611(Keiji Oguiso)

Leading Graduate Course for Frontiers of Mathematical Sciences
and Physics, The University of Tokyo.