# Number Theory Workshop at Waseda University

**Date :**  16th Mar. 2013–18th Mar. 2013

**Place :**  Waseda University, 55S-2F, 3rd conference room,

3-4-1 Okubo, Shinjuku, Tokyo 169-8555, Japan.

**16th Mar.**

10:00–10:45  Noriyuki Suwa (Chuo University)

Kummer theory for algebraic tori and normal basis problem

11:05–11:50  Kazuki Sato (Tohoku University)

Hasse principle for the Chow groups of zero-cycles on quadric fibrations

14:00–14:45  Takahiro Kitajima (Keio University)

On the orders of K-groups of ring of integers in the cyclotomic $\mathbb{Z}_p$-extensions of $\mathbb{Q}$

15:05–15:50  Cornelius Greither (Universität der Bundeswehr München)

Lower bounds for ranks of class groups coming from Tate sequences

16:10–16:55  Hiroki Takahashi (Hiroshima University)

The Iwasawa $\lambda_l$-invariants in cyclotomic $\mathbb{Z}_p$-extensions

**17th Mar.**

10:00–10:45  Yasuo Ohno (Kinki University)

On a property of di-Bernoulli numbers

11:05–11:50  Yoshihiro Ônishi (University of Yamanashi)

Explicit realization of Coble's hypersurfaces in terms of multivariated $\wp$-functions

14:00–14:45  Takashi Hara (Osaka University)

On Culler-Shalen theory for 3-manifolds and related topics

15:05–15:50  Yasushi Mizusawa (Nagoya Institute of Technology)

Iwasawa invariants of links and an analogue of Greenberg's conjecture

(a joint work with Teruhisa Kadokami)

16:10–16:55  Masanori Morishita (Kyushu University)

Johnson maps in non-Abelian Iwasawa theory

18:00–  Banquet

**18th Mar.**

10:00–10:45  Noriko Wakabayashi (Kyushu Sangyo University)

Sum formula for mod $p$ multiple zeta values

11:05–11:50  Shunsuke Yamana (Kyushu University)

L-functions and theta correspondence for quaternionic unitary groups

14:00–14:45  Tomoya Machide (Kinki University)

Quadruple zeta values and asymptotic properties of quadruple polylogarithms

15:05–15:50  Hiro-aki Narita (Kumamoto University)

Non-vanishing theta lifts to non-split forms of GSp(2)

Organizers : Keiichi Komatsu (Waseda University), Kiichiro Hashimoto (Waseda University), Manabu Ozaki (Waseda University), Hiroshi Sakata (Waseda University Senior High School).