

# Low dimensional topology and number theory IV

March 12-15, 2012  
Kyushu University, Fukuoka

## Program

### March 12

10:00 – 10:50

Makoto Ozawa (Komazawa University)

On the Neuwirth conjecture for knots (Joint work with J. Hyam Rubinstein)

11:00 – 11:50

Michael Friedman (Max Planck Institute)

Fundamental groups of complements of plane curves and branch curves

14:00 – 14:50

Toshitake Kohno (The University of Tokyo)

Quantum and homological representations of braid groups

15:00 – 15:25

Fumiya Amano (Kyushu University)

On Milnor primes

15:35 – 16:25

Hiroaki Nakamura (Okayama University)

On some arithmetic monodromy invariant for once punctured torus

### March 13

10:00 – 10:50

Kentaro Ihara (Max Planck Institute)

Iterated integral of modular forms

11:00 – 11:50

Thang Le (Georgia Institute of Technology)

On the stability of the colored Jones polynomial

14:00 – 14:50  
Kazuo Habiro (RIMS, Kyoto University)  
To be announced

15:00 – 15:50  
Marc Culler (University of Illinois at Chicago)  
To be announced

18:00  
Banquet (Tamaru in Momochi)

### **March 14**

10:00 – 10:50  
Kazuhiro Ichihara (Nihon University)  
Exceptional surgeries on Montesinos knots (Joint work with In Dae Jong)

11:00 – 11:50  
Yoriko Kodani (Nara Women's University)  
A sequence of new bridge indices for links each of which has a trivial knot component

14:00 – 14:50  
Makoto Sakuma (Hiroshima University)  
On Heckoid groups associated with 2-bridge links

15:00 – 15:25  
Jun Ueki (Kyushu University)  
To be announced

15:35 – 16:25  
Joan Porti (Universitat Autònoma de Barcelona)  
Reidemeister torsion and volume for hyperbolic knots

**March 15**

10:00 – 10:50

Hidekazu Furusho (Nagoya University)

To be announced

11:00 – 11:50

Tudor Dimofte (IAS, Princeton)

Nonabelian Torsion and the Neumann-Zagier Equations