WORKSHOP ON KNOT THEORY AND RELATED TOPICS
presented by women in mathematics II

ROOM 111, RIMS, Kyoto, August 8-12, 2016

MINI COURSES

Karene Chu (MIT) Finite Type Invariants

Maria Hempel (WPI) Scissors Congruence and Three-Manifolds

Christine Lee (University of Texas Austin) Quantum Knot Invariants and Three-Manifolds

Danielle O'Donnol (Indiana University) Spatial Graphs

Sakie Suzuki (RIMS) Construction of the Universal R-Invariant by Ideal Triangulation

SEMINAR

Ester Dalvit (University of Toronto) A Visual Introduction to Knotted Surfaces in 4-space

Seonhwa Kim (IBS) Octahedral developing of knot complement on the hyperbolic 3-space.

Yuta Nozaki (The University of Tokyo) An explicit relation between knot groups in lens spaces and those in S^3

Tatsuro Shimizu (RIMS) On the SU(2) Chern-Simons perturbation theory

RESEARCH DISCUSSIONS
LUNCHEON LIFE TALKS

This workshop is at graduate student level and intended for those curious about knots and related topics, and considering working in the area.
The organizers and lecturers of the mini courses are women, but **everyone is welcome**.
This workshop is by JSPS KAKENHI Grant Number 15K17539.

Organizers: K.Chu (MIT), M. Hempel (WPI), S. Suzuki (RIMS)
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PROGRAM

Aug 8 (Mon)

09:00-12:00	Karene Chu Finite type invariants
12:00-13:00	Luncheon Life Talks
13:00-14:30	Break
14:30-15:30	Yuta Nozaki An explicit relation between knot groups in lens spaces and those in S^3
16:00-17:00	Ester Dalvit A Visual Introduction to Knotted Surfaces in 4-space (Skype meeting)

Aug 9 (Tue)

09:00-12:00	Christine Lee Quantum Knot Invariants and Three-Manifolds
12:00-13:00	Luncheon Life Talks
13:00-14:00	Break
14:00-15:00	Seonhwa Kim Octahedral developing of knot complement on the hyperbolic 3-space
15:00-	Open research discussions

Aug 10 (Wed)

09:00-12:00	Sakie Suzuki Construction of the universal R invariant of links via ideal triangulation
12:00-13:00	Luncheon Life Talks
13:00-14:00	Break
14:00-	Open research discussions

Aug 11 (Thur)

09:00-12:00	Danielle O'Donnol Spatial Graphs
12:00-13:00	Luncheon Life Talks
13:00-14:00	Break
14:00-15:00	Tatsuro Shimizu On the SU(2) Chern-Simons perturbation theory
15:00-	Open research discussions

Aug 12 (Fri)

09:00-12:00	Maria Hempel Scissors congruence and three-manifolds
12:00-13:00	Luncheon Life Talks
13:00-14:00	Break
14:00-	Open research discussions