

The 11th KOOK-TAPU Joint Seminar on Knots and Related Topics

July 30 – August 1, 2019

Room E408, Department of Mathematics, Osaka City University

Program

July 30 (Tue.)

09:35–09:40 **Opening**

Chairperson: Taizo Kanenobu (Osaka City University)

09:40–10:10 Sam Nelson (Claremont McKenna College)

Quandle Cocycle Quivers

10:10–10:40 María de los Angeles Guevara Hernández (OCAMI)

On the dealternating number and the alternation number

Chairperson: María de los Angeles Guevara Hernández (OCAMI)

11:00–11:30 Shin'ya Okazaki (OCAMI)

Symmetric group representation of knot group and Nakanishi index

11:30–12:00 Jieon Kim (Pusan National University)

A bi-Gauss diagram of surface-links

July 31 (Wed.)

Chairperson: Seung Yeop Yang (Kyungpook National University)

09:40–10:10 Mark H. Siggers (Kyungpook National University)

Discrete homotopy theory and the recolouring dichotomy

10:10–10:40 Sukuse Abe (OCAMI)

New quantum invariants of IH-equivalent of genus 2 handlebody-knots

Chairperson: Jieon Kim (Pusan National University)

11:00–11:30 Hideo Takioka (Kobe University)

4-move distance of knots

~~11:30–12:00 Sang Youl Lee (Pusan National University)~~

~~Shadow product biquandle cocycle invariants for surface links~~

August 1 (Thu.)

Chairperson: Seiichi Kamada (Osaka University)

09:30–10:10 Seung Yeop Yang (Kyungpook National University)

On torsion in homology of finite connected quandles

10:20–10:40 Kengo Kawamura (OCAMI)

A certain calculation of the Arf invariant of a proper link