

International Workshop “Knots in Tsushima 2019”*

DATE : September 6th, 2019 – September 8th, 2019

PLACE : Conference rooms 5 & 6, 3rd floor, TIARA, Tsushima City, Japan.

(Address: Imayashiki 611-3, Izuhara-machi, Tsushmia City, 8170021, Japan.)
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URL : <https://ccmath.meijo-u.ac.jp/~fukky/tsushima2019.html>

Program

Sept. 6th (Fri)

13:00-14:00 (Registration)

14:00-14:10 (Opening)

14:10-14:40 Fumikazu Nagasato (Meijo Univ)

Ghost characters of knots and their periodicity

(Joint work with Anh T. Tran (Univ of Texas at Dallas))

14:45-15:15 Taizo Kanenobu (Osaka City Univ) and **Masafumi Matsuda** (Osaka City Univ)

Classification of ribbon 2-knots of 1-fusion with length up to seven

(25 min break)

15:40-16:10 Tomo Murao (Univ of Tsukuba/JSPS Research Fellow PD)

Linear extensions of multiple conjugation quandles and MCQ Alexander pairs

16:15-16:45 Yasutaka Nakanishi (Kobe Univ)

A note on sharp move

16:50-17:20 Sangyoul Lee (Pusan National Univ)

Shadow product biquandle cocycle invariants for surface-links

Sept. 7th (Sat)

9:15-9:45 Kazuhiro Ichihara (Nihon Univ)

Minimal coloring numbers on minimal diagrams of torus links

(Joint work with Katsumi Ishikawa (RIMS, Kyoto Univ) and Eri Matsudo (Nihon Univ))

9:50-10:10 Sanghoon Park (Pusan National Univ/M2)

Invariants of quandle coloring quivers from the incidence matrix

(10 min break)

10:20-10:40 Minju Seo (Pusan National Univ/D1)

Quandle coloring quivers of marked graph diagrams

(Joint work with J. Kim and S. Nelson)

10:45-11:05 Suhyeon Jeong (Pusan National Univ/D3)

A psybracket of pseudoknots

(Joint work with J. Kim and S. Nelson)

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11:10-11:40 Takuji Nakamura (Osaka Electro-Communication Univ)

Flow spines and virtual knot diagrams

(Joint work with Ippei Ishii and Toshio Saito(Joetsu Univ of Education))

Sept. 8th (Sun)

9:15-9:45 Sangyop Lee (Chung-Ang Univ)

Twisted torus knots which are torus knots

9:50-10:20 Ayako Ido (Aichi Univ of Education)

On unique geodesics in the curve complex

(10 min break)

10:30-11:00 Akio Kawauchi (OCAMI)

Knotting probability of a spatial arc

11:05-11:35 Ayumu Inoue (Tsuda Univ)

The twist-spinning of classical knots whose knot quandles are finite

11:40-12:10 Naoko Kamada (Nagoya City Univ)

Converting virtual knots to almost classical virtual knots

(Lunch break)

14:00-14:30 Seiichi Kamada (Osaka Univ)

Generators of the motion groups of H -trivial links and application to surface-knot theory

(Joint work with C. Damiani and R. Piergallini)

14:35-15:05 Benjamin Bode (Osaka Univ/JSPS International Research Fellow)

On real algebraic links in $\mathbb{S}^3$

(25 min break)

15:30-16:00 Jieon Kim (Pusan National Univ/Post-Doc)

On a bi-Gauss diagram of surface-links

(Joint work with S. Bost, B. Garbuz and S. Nelson)

16:05-16:35 Teruhisa Kadokami (Kanazawa Univ)

Knot theory in 3-manifold via virtual knot theory

16:40-17:10 Shin Satoh (Kobe Univ)

On the three loop framed isotopy invariant of a virtual knot

17:10-17:15 (Closing)

Organizers:

Shin Satoh (Kobe Univ)

Takuji Nakamura (Osaka Electro-Communication Univ)

Fumikazu Nagasato (Meijo Univ)

NOTE: Please give a brief self-introduction at the beginning of your talk since we do not assign a chairperson to any talk in this workshop.