KOOK-TAPU Workshop of Knots in Tsushima Island

Conference Place: Tsushima City Koryu Center (TIARA)

Program[1]

September 6, 2016

9:30-10:00   **Fumikazu Nagasato** (Meijo University) *Ghost characters, character varieties and abelian knot contact homology*

10:05-10:25   **Shinnosuke Suzuki** (Meijo University) *On the SL(2,C) -representations of the fundamental group of the 2-fold branched covering of 3-sphere branched along a knot*

10:30-11:00   **Sang Youl Lee** (Pusan National University) *Ideal coset invariants for surface-links via Kauffman bracket polynomial*

11:05-11:25   **Kodai Wada** (Waseda University) *Milnor's link-homotopy invariants*

11:30-12:00   **Ayumu Inoue** (Aichi University of Education) *A subspecies of region crossing change, region freeze crossing change*

12:00-13:30   **(Lunch Break)**

13:30-14:00   **Yasutaka Nakanishi** (Kobe University) *Differences of Alexander polynomials for knots caused by a single crossing change, II*

14:05-14:25   **Geunyoung Kim** (Pusan National University) *On construction of Dunwoody 3-manifolds*

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[1]Please give a brief self-introduction before starting your lecture since the chairperson is not assigned to any lecture.

14:30-15:00 **Reiko Shinjo** (Kokushikan University) *On coherent and incoherent regions of an oriented knot diagram*

15:00-15:25 **(Break)**

15:25-15:45 **Sera Kim** (Pusan National University) *Applications of the Index values for Knotoids*

15:50-16:10 **Suhyeon Jeong** (Pusan National University) *Jones-type invariants for knots and links from the six vertex model*

16:15-16:35 **Hun Lee** (Kyungpook National University) *On colorability of Sums of n-Tangles*

16:40-17:10 **Teruhisa Kadokami** (Kanazawa University) *Three amphicheiralities of a virtual link*

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9:30-10:00 **Kazuhiro Ichihara** (Nihon University) *Minimal coloring number for $\mathbb{Z}$-colorable links*

10:05-10:25 **Shun Yoshiike** (Nihon University) *Unknotting twist knots by forbidden moves*

10:30-11:00 **Jieon Kim** (Osaka City University, JSPS) *Marked graph diagrams of immersed surface-links*

11:05-11:25 **Megumi Hashizume** (Nara Women's University) *Link version of*

Inoue-Shimizu's result on region crossing change

11:30-12:00   Kokoro Tanaka (Tokyo Gakugei University) *The canonical genus of Whitehead doubles of non-prime alternating knots*

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9:30-10:00   Shin Satoh (Kobe University) *A construction of stable classes of ribbon surface-knots from non-ribbon surface-knots*

10:05-10:25   Takato Minamino (Kobe University) *Local moves and odd writhes for virtual knots*

11:30-11:50   Seonmi Choi (Kyungpook National University) *A decomposition of finite quandles and their rack homology groups*

11:00-11:30   Hirotaka Akiyoshi (Osaka City University) *Ford and Dirichlet domains for the torus with a single cone point*

11:30-13:30   (Lunch Break)

13:30-14:00   Takuji Nakamura (Osaka Electro-Communication University) *On the minimum number of colors on Fox colorings for knots*

14:05-14:25   Jihee Kim (Pusan National University) *A description of the index polynomial and the odd writhe invariants for virtual knots using Gauss diagrams*

14:30-15:00   Inasa Nakamura (University of Tokyo) *Unbraiding 2-dimensional braids by an addition of 1-handles with chart loops*

15:00-15:25   (Break)

15:25-15:45   Byeorhi Kim (Kyungpook National University) *An intrinsic topology on a quandle*

15:50-16:10   Yongjae Park (Kyungpook National University) *On the invertibility of (n, n)-tangles*

16:15-16:35   Hyeran Cho (Pusan National University) *On $(1, 1)$ decomposition of knots*

16:40-17:10   Akio Kawauchi (Osaka City University) *On Hosokawa polynomial of a link, dedicated to the memory of Professor Fujitsugu Hosokawa*