The 7th KOOK-TAPU Joint Seminar on Knot Theory and Related Topics

Osaka City University
July 26– 30, 2015

Program

July 26 Sunday

9:30–9:40   Opening

Chairperson: Akio Kawauchi (OCAMI)

9:40–10:10   Ruifeng Qiu (East China Normal University)
On the super additivity of tunnel numbers of knots

10:20–10:50   Yongju Bae (Kyungpook National University)
Fox-Hosokawa conjecture and knotted real projective planes

11:00–11:30   Takahiro Miura (Kobe University)
Canonical genus and Whitehead doubles of alternating knots

July 27 Monday

Chairperson: Sang Youl Lee (Pusan National University)

9:40–10:10   Tsukasa Yashiro (Sultan Qaboos University)
On connected components of the lower decker sets of surface diagrams

10:20–10:50   Shicheng Wang (Peking University)
The most symmetric surfaces in three dimensional torus

11:00–11:30   Shin'ya Okazaki (OCAMI)
Multivariable Alexander polynomial for handcuff graphs

July 28 Tuesday

Chairperson: Tetsuya Abe (OCAMI)

9:40–10:10   Jung Wook Lim (Kyungpook National University)
The Krull dimension of composite power series ring $A + XI[\![X]\!]$

10:20–10:50   Young Ho Im (Pusan National University)
Some polynomial invariants of welded links

11:00–11:30   Teruhisa Kadokami (East China Normal University)
Seifert surgery on knots via Reidemeister torsion and Casson-Walker-Lescop invariant

July 29 Wednesday

Chairperson: Taizo Kanenobu (Osaka City University)

9:40–10:10   Jieon Kim (Pusan National University)
Shadow biquandle cocycle invariants of oriented links and surface-links

10:20–10:50   Tetsuya Abe (OCAMI)
Ribbon disks with the same exterior

11:00–11:30   Hideo Takioka (OCAMI)
The Γ-polynomials of Abe-Tange's ribbon knots

July 30 Thursday

Chairperson: Yongju Bae (Kyungpook National University)

9:40–10:10   Hitoshi Yamanaka (OCAMI)
Non-existence of invariant Morse functions via representation coverings

10:20–10:50   Sang Youl Lee (Pusan National University)
Virtual surface-links in four space