

The 9th KOOK-TAPU Joint Seminar on Knots and Related Topics

Osaka City University

July 25–27, 2017

Program

July 25th, 2017

- 9:10-9:15 **Opening**
- Chair** Yongju Bae (Kyungpook National University)
- 9:15-9:45 Sang Youl Lee (Pusan National University)
A construction of invariants for surface-links
- 9:45-10:15 Celeste Damiani (OCAMI, JSPS)
Alexander invariants for ribbon tangles
- 10:15-10:30 **Short Break**
- Chair** Jieon Kim (OCAMI)
- 10:30-11:00 Megumi Harada (McMaster University and Osaka City University)
Toric degenerations of flag varieties: recent developments
- 11:00-11:30 Mason Pember (Technische Universität Wien)
Channel surfaces in Lie sphere geometry

July 26th, 2017

- Chair** Celeste Damiani (OCAMI)
- 9:15-9:45 Young Ho Im (Pusan National University)
Some polynomial invariants for Gauss diagrams
- 9:45-10:15 Kengo Kawamura (OCAMI)
On diagrams of immersed 2-knots with one self-intersection point
- 10:15-10:30 **Short Break**
- Chair** Akio Kawauchi (OCAMI)
- 10:30-11:00 Benjamin Bode (University of Bristol)
On the crossing numbers of composite knots and theta curves
- 11:00-11:30 Hideo Takioka (OCAMI)
Infinitely many knots with the trivial $(2, 1)$ -cable Γ -polynomial

July 27th, 2017

Chair	Sang Youl Lee (Pusan National University)
9:15-9:45	Jieon Kim (OCAMI, JSPS) Biquasile Boltzmann enhancements of oriented surface-links
9:45-10:15	Yongju Bae (Kyungpook National University) On a configuration space of a quandle homology group