

Program

Monday 25 July

(Every talk is expected to be of 15 minute length.)

13:50–14:00 **Opening**

14:00–15:30 **Chairperson: Taizo Kanenobu**

1. Hitoshi Yamanaka (Osaka City University, D3)
Intersection of stable and unstable manifolds for invariant Morse functions
2. In Sook Lee (Kyungpook National University, D3)
On Alexander polynomial of links admitting group action
3. Miho Hatanaka (Osaka City University, M1)
Construction of a toric variety
4. Yewon Joung (Pusan National University, D1)
On the alternation number of the torus knots
5. Yoji Kobatake (Osaka City University, M2)
A construction of amphicheiral links

15:30–16:00 Thirty minute break

16:00–17:30 **Chairperson: Dongseok Kim**

6. Jeongwan Seo (Pusan National University, D2)
Toeplitz operators on generalized Fock spaces
7. Takanori Imabeppu (Hiroshima University, D1)
On normalized arrow polynomials of checkerboard colorable virtual links
8. Ju young Jin (Kyungpook National University, M2)
Flatness of Weighted Shifts Associated by Hamburger Moment Sequences
9. Hideo Takioka (Osaka City University, M2)
Infinitely many knots together with the trivial Conway polynomial and the trivial zeroth coefficient polynomial

10. Jieon Kim (Pusan National University, D1)
The Rasmussen invariant of periodic knots with rational quotients

Tuesday 26 July

(Every talk is expected to be of 15 minute length.)

14:00–15:30 **Chairperson: Sang Youl Lee**

1. Yukiko Fukukawa (Osaka City University, D1)
The cohomology ring of the GKM graph of a flag manifold of type G_2
2. Dawoon Jung (Pusan National University, D1)
Example of Nil-Armendariz rings
3. Tatsuya Horiguchi (Osaka City University, M1)
Young Tableaux and Schur Polynomials
4. A Lam Kim (Kyungpook National University, M2)
On p -Quasihyponormal Weighted Shifts on Directed Trees
5. Daichi Kajio (Osaka City University, M1)
Harmonic maps and loop groups

15:30–16:00 Thirty minute break

16:00–17:30 **Chairperson: Yongju Bae**

6. Seungmin Baek (Pusan National University, M2)
Connection between a weighted Poincaré model and a Lipschitz type holomorphic function space
7. Kenji Shibata (Osaka City University, M2)
On rational Seifert matrices
8. Jieon Hong (Pusan National University, D1)
The arrow polynomial and 2-braid virtual links
9. Kosuke Tatemichi (Osaka City University, M1)
“Gauss parametrization” of a compact orientable finitely branched minimal surface in R^3

10. Young A Han (Kyungpook National University, M2)
Geometric mean inequalities via positive linear maps

Wednesday 27 July

(Every talk is expected to be of 15 minute length.)

14:00–15:30 Chairperson: Young-Ho Im

1. Hiroaki Ishida (Osaka City University, D2)
Symplectic real Bott manifolds
2. Eunmi Pak (Kyungpook National University, D3)
Existence of proper contact CR -product and mixed foliate contact CR submanifolds of $E^{2m+1}(-3)$
3. Yuriko Umemoto (Osaka City University, D1)
On the growth functions of hyperbolic Coxeter groups
4. Sukyung Han (Pusan National University, M2)
Studies on a Bergman type mixed space
5. Tsuyoshi Inazumi (Osaka City University, M2)
Lattice presentation of links

15:30–16:00 Thirty minute break

16:00–17:15 Chairperson: Rama Mishra (IISERP, INDIA)

6. Sunho Lee (Pusan National University, D1)
The multi-variable index polynomial for virtual links and its properties
7. Takahiro Miura (Kobe University, D1)
On flat braid surfaces of links
8. Sukuse Abe (RIMS Kyoto University, M2)
On quandle 4-cocycles of Alexander quandles on finite fields
9. Sera Kim (Pusan National University, D2)
A polynomial invariant of virtual magnetic link diagrams
10. Jun Youp Lee (Kyungpook National University, M2)
On the divisibility of the class number of imaginary quadratic number

Thursday 28 July

(Every talk is expected to be of 15 minute length.)

14:00–15:30 **Chairperson: Myoungsoo Seo**

1. Akira Ohnishi (Osaka City University, M1)
Knotoid and Seifert surface
2. Woo Yong Shin (Kyungpook National University, M1)
On the mapping class group of a low dimensional manifold
3. Yukari Funakoshi (Nara Woman's University, D3)
On pre-fiber surfaces of level n
4. Seung Min Lee (Kyungpook National University, M2)
Application of modified Eikvil et al.'s method to inspect the defective regions on TFT-LCD panels
5. Akito Miyoshi (Osaka City University, M1)
Deformation of a surface in 4-space

15:30–16:00 Thirty minute break

16:00–17:30 **Chairperson: Teruhisa Kadokami (ECNU, CHINA)**

6. Mihwa Shin (Pusan National University, D3)
On invariants of twisted links
7. Motoharu Sakurai (Osaka City University, D1)
On hypersurfaces in semi-Riemannian space forms and Lagrangian submanifolds of oriented 2-plane Grassmann manifolds
8. Hyun Duk Kim (Kyungpook National University, M2)
Geometric mean in Toeplitz matrices
9. Shin'ya Okazaki (Osaka City University, D3)
A construction of a link whose 0-surgery manifold is the 3-sphere
10. Hye Yeong Yun (Kyungpook National University, M2)
On Quasi- $A(n, k)$ Class Weighted Shifts