

The 4th Japanese-Australian Workshop on Real and Complex Singularities

Rooms 4 & 5, Kobe Information Culture Building 3F
Kobe Satellite of Hyogo University of Teacher Education

organised by

Satoshi Koike	(Hyogo University of Teacher Education)
Toshizumi Fukui	(Saitama University)
Laurentiu Paunescu	(University of Sydney)
Adam Harris	(University of New England)
Alexander Isaev	(The Australian National University)

PROGRAMME

22nd November (Tuesday)

- 9:30 – 10:30 Kiyoshi Takeuchi (Tsukuba University)
A-discriminants and *A*-hypergeometric functions
- 10:45 – 11:45 Masahiro Shiota (Nagoya University)
Maps between analytic curve germs induced by blow-analytic homeomorphisms
- 13:15 – 14:15 Shuzo Izumi (Kinki University)
Projector onto a finite dimensional vector subspace of $\mathcal{O}_{n,a}$
- 14:35 – 15:35 Adam Harris (University of New England)
Null deformations of the regular part of a cone singularity
- 15:50 – 16:50 Takao Akahori (Hyogo University)
On the complex analytic *CR*-Hamiltonian flows

23rd November (Wednesday)

- 9:30 – 10:30 Tomohiro Okuma (Yamagata University)
The embedding dimension of weighted homogeneous complex surface singularities
- 10:45 – 11:45 Mutsuo Oka (Tokyo University of Science)
Varchenko-type theorem for mixed functions

- 13:15 – 14:15 Jiro Sekiguchi (Tokyo University of Agriculture and Technology)
Holonomic systems related to free divisors and their solutions
- 14:35 – 15:35 Ruibin Zhang (University of Sydney)
Brauer tangle diagrams in classical invariant theory
- 15:50 – 16:50 Toshizumi Fukui (Saitama University)
Motivic zeta functions for real polynomial germ and real weighted homogeneous polynomials

24th November (Thursday)

- 9:30 – 10:30 Mahito Kobayashi (Akita University)
On the bubbling surgery of a smooth map
- 10:45 – 11:45 Goo Ishikawa (Hokkaido University)
Openings of stable unfoldings
- 13:15 – 14:15 Jonathan Hillman (University of Sydney)
2-knots with solvable groups
- 14:35 – 15:35 Osamu Saeki (Kyushu University)
Topology of definite fold singularities
- 15:50 – 16:50 Masayuki Nishioka (Kyushu University)
Special generic maps between manifolds of certain dimensions
- 18:30 – 21:00 Conference dinner

25th November (Friday)

- 9:30 – 10:30 Shinichi Tajima (Tsukuba University),
Yayoi Nakamura (Kinki University)
 μ -constant deformations, parametric local cohomology and Tjurina numbers
- 10:45 – 11:45 Laurentiu Paunescu (University of Sydney)
A'Campo curvature bumps near a singular point