The second Japanese-Australian Workshop on Real and Complex Singularities

at Room 420
Research Institute of Mathematical Sciences (RIMS), Kyoto University
organised by
Satoshi Koike   (Hyogo University of Teacher Education),
Toshizumi Fukui   (Saitama University),
Laurentiu Paunescu   (University of Sydney), and
Adam Harris   (University of New England).

URL: `http://www.rimath.saitama-u.ac.jp/lab.jp/Fukui/2007/JARCS2.html`

PROGRAMME

26th November (Monday)

9:30 – 10:30   Kentaro Saji (Hokkaido University, Japan)
                Singularities of de Sitter horocyclic surfaces

10:45 – 11:45   Shyuichi Izumiya (Hokkaido University, Japan)
                Flat lightlike hypersurcface in Minkowski space

13:15 – 14:15   Adam Harris (University of New England, Australia)
                Higher analytic cohomology and the Laplace-Beltrami
                operator near an isolated singularity

14:45 – 15:45   Vyacheslav Sedykh (Russian State Gubkin University of Oil and Gas, Russia)
                The coexistence of real corank 1 singularities
                and the contact geometry of space curves

16:00 – 17:00   Goo Ishikawa (Hokkaido University, Japan)
                Local classification of varieties in the symplectic space

27th November (Tuesday)

9:30 – 10:30   Jim Ward (University of Sydney, Australia)
                Lines on a cubic surface

10:45 – 11:45   Carles Biviá-Ausina (Universitat Politecnica de Valencia, Spain)
                Mixed multiplicities of ideals and the effective computation
                of Łojasiewicz exponents of complex analytic maps

13:15 – 14:15   Alexander Esterov (Independent University of Moscow and
                                    University of Toronto, Russia and Canada)
                Poincaré-Hopf indices and Newton polyhedra

14:45 – 15:45   Mutsuo Oka (Tokyo University of Science, Japan)
                Topology of linear system of plane curves

16:00 – 17:00   Tzee-Char Kuo (University of Sydney, Australia)
                Arc Space, Morse Stability, Equi-singularities

18:30 –   Conference dinner

28th November (Wednesday)

 9:30 – 10:30   Osamu Saeki (Kyushu University, Japan)
                Cobordism of Morse maps and its application to map germs

10:45 – 11:45   Boldizsár Kalmár (Kyushu University, Japan)
                Fold maps, immersions and cobordism

13:00 – 14:00   Minoru Yamamoto (Kurume National College of Technology, Japan)
                On pseudo-immersions of a surface into the plane

14:10 – 15:10   Ruibin Zhang (University of Sydney, Australia)
                Representations of Quantum Groups and
                Cohomology of Quantum Equivariant Vector Bundles

15:15 –   Free discussion at Shisendo and night view of Kyoto

29th Nqovember (Thursday)

 9:30 – 10:30   Takashi Nishimura (Yokohama National University, Japan)
                An upper bound for multiplicities of co-rank one simple singularities

10:45 – 11:45   Michael Eastwood (University of Adelaide, Australia)
                Singularities of semiconformal mappings

13:15 – 14:15   Alex Dimca (Université de Nice, France)
                Characteristic and resonance varieties

14:45 – 15:45   Adam Parusiński (Université d'Angers, France)
                Equivalence relations of two variable real analytic function germs

16:00 – 17:00   Laurentiu Paunescu (University of Sydney, Austraila)
                Tame nonsmooth inverse mapping theorems