

Differential Geometry, Lie Theory and Low Dimensional Topology, La Trobe University, Melbourne, December 19 - 21, 2016

WORKSHOP PROGRAM

Locations:

- Workshop venue: *La Trobe University City Campus*, Level 20, 360 Collins St.
- Workshop dinner: *Standard Hotel*, 293 Fitzroy St, Fitzroy. One possibility for reaching the venue would be to take a tram north to Spring St, from which it is about a 15 min walk to the hotel.

Monday December 19	
9:15 - 9:45	Registration
9:45 - 10:00	Opening: Assoc Professor Peter Stacey, Secretary Australian Mathematical Society
10:00 - 11:00	Gover: Nearly Kaehler geometry, $(2,3,5)$ distributions, and projective differential geometry
11:00 - 11:30	Morning tea
11:30 - 12:30	Koiso: Stability and bifurcation for surfaces with constant mean curvature
12:30 - 14:00	Lunch
14:00 - 14:45	McCoy: Curvature contraction flow of axially symmetric hypersurfaces
14:50 - 15:20	Hatakeyama: Approximation of the Curvature and the Torsion of Curves by the Discrete Curvature and the Discrete Torsion
15:20 - 15:40	Afternoon tea
15:40 - 16:10	Dearricott: Positive curvature in dimension 7
16:15 - 16:45	Flood: Metric projective geometries and projective compactification
16:50 - 17:20	Akamine: Geometry of timelike minimal surfaces and null curves

Tuesday December 20	
10:00 - 11:00	Tamaru: Left-invariant metrics and submanifold geometry
11:00 - 11:30	Morning tea
11:30 - 12:30	Nicolau: Foliations and webs inducing Galois coverings
12:30 - 14:00	Lunch
14:00 - 15:00	Nikonorov: The evolution of positively curved invariant metrics on the Wallach spaces under the Ricci flow
15:05 - 15:35	Hashinaga: On homogeneous Lagrangian submanifolds in complex hyperbolic spaces
15:35 - 15:55	Afternoon tea
15:55 - 16:40	Globke: Compact pseudo-Riemannian Einstein manifolds in low dimensions
16:45 - 17:30	Blaom: Lie algebroids and subgeometry

Wednesday December 21	
10:00 - 11:00	McIntyre: A missing link in the classification of immersed curves which extend to immersed surfaces?
11:00 - 11:30	Morning tea
11:30 - 12:30	Saeki: Indefinite fibrations on 4-manifolds
12:30 - 14:00	Lunch
14:00 - 14:30	Howie: Quasi-Fuchsian checkerboard surfaces
14:35 - 15:05	Koga: Equivariant holomorphic embeddings from the complex projective line into a complex Grassmannian of 2-planes
15:05 - 15:25	Afternoon tea
15:25 - 15:55	Broadbridge: Exact solutions for geometric evolution of metal surfaces
18:00 - ...	Workshop dinner