

AMSI Workshop “Differential Geometry, Complex Analysis and Lie Theory”, Melbourne, December 5 – 7

PROGRAM

Friday December 5, 360 Collins St, Rooms 3/4	
9:30 – 9:45	Registration
9:45 – 10:00	Opening address. Geoff Prince, Director of AMSI
10:00 – 11:00	C.Gordon: <i>Inverse spectral problems in the presence of group actions. I</i>
11:00 – 11:15	Morning tea
11:15 – 12:15	C.Gordon: <i>Inverse spectral problems in the presence of group actions. II</i>
12:15 – 13:45	Lunch
13:45 – 14:45	T.Payne: <i>A Computational Method for Classifying Real Nilpotent Lie Algebras</i>
14:45 – 15:45	O.Dearriscott: <i>Quaternion-Sasakian manifolds and reduction</i>
15:45 – 16:00	Afternoon tea
16:00 – 16:30	A.Pulemotov: <i>Boundary-value problems for the Ricci flow</i>
16:30 – 17:00	I.Tsartsaflis: <i>A bijection in cohomology of filiform Lie algebras over \mathbb{Z}_2</i>

Saturday December 6, 215 Franklin St, Room FS104	
9:30 – 10:30	H.Rubinstein: <i>Minimal surfaces in hyperbolic 3-manifolds</i>
10:30 – 11:30	D.Millionschikov: <i>Invariant geometric structures on nilmanifolds</i>
11:30 – 11:45	Morning tea
11:45 – 12:45	D.Millionschikov: <i>Massey products in Lie algebra cohomology</i>
12:45 – 14:15	Lunch
14:15 – 15:15	T.Leistner: <i>Locally homogeneous pp-waves</i>
15:15 – 16:15	W.Globke: <i>Compact pseudo-Riemannian solvmanifolds</i>
16:15 – 16:30	Afternoon tea
16:30 – 17:00	P.van der Kamp: <i>Integrable Curvature Evolution</i>

Sunday December 7, 215 Franklin St, Room FS104	
9:30 – 10:30	K.Kim: <i>Positivity and completeness of the Bergman metric on unbounded pseudoconvex domains in \mathbb{C}^n</i>
10:30 – 11:30	K.Kim: <i>Holomorphic vector fields on a non-flat infinite contact type CR hypersurface germ</i>
11:30 – 11:45	Morning tea
11:45 – 12:15	G.Schmalz: <i>Chern-Moser theory for para-CR-manifolds and degenerate multicontact structures</i>
12:15 – 13:45	Lunch
13:45 – 14:15	A.Medvedev: <i>Differential invariants of ODEs systems of higher order</i>
14:15 – 14:45	D.Zaitsev: <i>Convergent normal forms for real hypersurfaces</i>
14:45 – 15:15	B.Anchouche: <i>Orbital measures on $SU(n)/SO(n)$</i>
15:15 – 15:30	Afternoon tea
15:30 – 16:00	D.The: <i>Homogeneous integrable Legendrian contact structures in dimension five</i>
16:00 – 16:30	D.Berdinsky: <i>On the Willmore-like functionals in Thurston geometries</i>
16:30 – 17:00	Y.Vyatkin: <i>Conformal invariants of hypersurfaces</i>

EVENTS

1. Sunday, December 7, 17:30 – 19:00.
AustMS/NZMS Welcome Reception & Registration (for participants of AustMS/NZMS Convention).
Grand Buffet Hall, Level 2, Union House, Building 130, Union Road, The University of Melbourne, Parkville .
2. Sunday, December 7, 19:00 – ∞ .
Workshop dinner.
Upstairs room *The Last Jar*, 616 Elizabeth Street, Melbourne.

All three venues – the workshop, the Welcome Reception venue and The Last Jar – are at walking distance (or at a few tram stops) from each other.