

**AMSI-ANU Workshop on Microlocal Analysis and its Applications
in Spectral Theory, Dynamical Systems, Inverse Problems, and PDE**

18 -23 February 2018

Beagle Bay Room, Murramarang Beachfront Resort, NSW

	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday
7.45 – 8.45		Breakfast	Breakfast	Breakfast	Breakfast	Breakfast
9.00 –10.00		Frederic Faure	Katya Krupchyk	Tanya Christiansen	Clotilde Fermanian	Dean Baskin
10.00–10.30		Morning tea	Morning tea	Morning tea	Morning tea	Morning tea
10.30 –11.30		Colin Guillarmou	Nguyen Viet Dang	Andras Vasy	Matthieu Léautaud	Jared Wunsch
11.30 –12.30		<i>Short talks:</i> <i>M. Ingremeau</i> <i>F. Wang</i> <i>L. Tzou</i> <i>M. Varghese</i> <i>X. Chen</i>	<i>Short talks:</i> <i>G.Riviere</i> <i>M.Hitrik</i> <i>S. Eswarathasan</i> <i>K.Morgan</i> <i>A. Sikora</i>	Peter Hintz	Melissa Tacy	
12.30 – 1.30	Leave ANU (1pm)	Lunch	Lunch	Lunch	Lunch	Lunch
1.30 – 2.30	Leave airport			Lysianne Hari		Return by bus (1.30pm)
2.30 – 6.00	Arrive at resort (4.30pm)					Arrive at airport (4.30pm)
6.30 – 7.30	Dinner	Dinner	Dinner	Dinner	Dinner	
7.30 – 8.30	Welcome Wine & cheese	<i>Short talks:</i> <i>J. Shapiro</i> <i>H. Christianson</i> <i>K. Datchev</i> <i>J. Gell-Redman</i> <i>Z. Guo</i>	<i>Short talks:</i> <i>Y. Canzani</i> <i>X. Han</i> <i>J.Rowlett</i> <i>E. Le Masson</i>	Dinner	Jeffrey Galkowski	

Monday 19 March

9.00 – 10.00	Some properties of hyperbolic dynamics from micro-local analysis
10.30 - 11.30	Horocyclic invariance of Ruelle resonant states in dimension 3
11.30 - 12.30	Short talks: <ul style="list-style-type: none">- Lower bound on the Bogomolny-Schmit constant- Some positivity results for fractional GJMS operators of order between 2 and 4.- TBA- TBA- TBA
6.30 – 7.30	Short talks: <ul style="list-style-type: none">- Semiclassical resolvent estimates in low regularity- Equidistribution of Neumann data mass on triangles and applications- Exterior resolvent estimates and wave decay- TBA- Generalised Strichartz estimates for Schrodinger equation

Tuesday 20 March

9.00 – 10.00	TBC
10.30 - 11.30	TBC
11.30 - 12.30	Short talks: <ul style="list-style-type: none">- Equidistribution of toral eigenfunctions along hypersurfaces- TBC- Tangent points to nodal sets of random eigenfunctions- TBC- Meromorphic extension of a resolvent in one dimension
6.30 – 7.30	Short talks: <ul style="list-style-type: none">- Recurrent conormal directions to a submanifold for Anosov flows- Nodal curves of eigenfunctions and geodesics on Riemannian surfaces- The Poisson relation and billiards in polygons- Quantum Chaos in large scale limits

Wednesday 21 March

9.00 – 10.00	Resonance rigidity for Schrodinger operators in even dimensions
10.30 - 11.30	Global analysis for linear and nonlinear waves
11.30 - 12.30	Global stability problems in General Relativity
1.30 – 2.30	Propagation of coherent states

Thursday 22 March

9.00 – 10.00	Wigner measures and effective mass theorems
10.30 - 11.30	Control from an internal hypersurface
11.30 - 12.30	TBC
7.30 – 8.30	Concentration of Eigenfunctions: Sup-norms and Averages

Friday 23 March

9.00 – 10.00	Radiation fields on asymptotically Minkowski spacetimes
10.30 - 11.30	TBC