Nonlinear Wave Equations & General Relativity Workshop
L4, Mathematical Institute, Andrew Wiles Building

Monday 13 January 2014

9.00am – 9.05am	Introduction by Gui-Qiang Chen
9.05am –9.55am	Sergiu Klainerman
	tba
	Tea/ Coffee
10.20am - 11.20am	Jeremie Szeftel (Short Course 1)
11.20am - 12.20pm	Gustav Holzegel/ Willie Wong (Short Course 2)
12.20pm –12.45pm	Shi-wu Yang
	Nonlinear wave equations with multiple speeds
	Lunch
2.00pm - 3.00pm	Jeremie Szeftel (Short Course 1)
3.00pm - 4.00pm	Gustav Holzegel/ Willie Wong (Short Course 2)
	Tea/ Coffee
4.30pm – 5.20pm	Pin Yu
	Shock formation for 3-dimensional wave equations
5.20pm – 6.10pm	Jonathan Luk
	Null singularities in general relativity
6.10pm – 6.35pm	Volker Schlue
	Unique continuation from infinity for linear waves

Short Course 1	The resolution of the bounded L2 curvature conjecture in General Relativity
Short Course 2	Blow-up of nonlinear wave equations with small initial data – a geometric perspective on shock formation

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Tuesday 14 January 2014

9.00am - 9.50am	Lars Andersson
	Dynamics of self-gravitating bodies
9.50am - 10.50am	Jeremie Szeftel (Short Course 1)
	Tea/ Coffee
11.10am - 12.10pm	Jeremie Szeftel (Short Course 1)
12.10pm - 12.35pm	Jin-hua Wang
	A Large Data Regime for non-linear Wave Equations
	Lunch
2.00pm - 2.50pm	Jacques Smulevici
	Future Dynamics of T2 symmetric polarized spacetimes
2.50pm – 3.50pm	Gustav Holzegel/ Willie Wong (Short Course 2)
	Tea/ Coffee
4.10pm – 5.10pm	Gustav Holzegel/ Willie Wong (Short Course 2)
5.10pm – 6.00pm	Stefanos Aretakis
	Conservation laws for the wave equation on null hypersurfaces and applications
6.00pm – 6.50pm	Pieter Blue
	Decay for the Maxwell field outside a slowly rotating Kerr black hole
Short Course 1	The resolution of the bounded L2 curvature conjecture in General Relativity
Short Course 2	Blow-up of nonlinear wave equations with small initial data – a geometric perspective on shock formation