

**Dynamics of General Relativity:  
Black holes and Asymptotics**

December 10 - 21, 2012

organised by: Lars Andersson, Robert Beig, Mark Heinzle, Sascha Husa

**Workshop Schedule, December 17 - 20, 2012****Week 2****• Monday, December 17, 2012****14:00 – 14:55:** Helmuth Friedrich*A formal expansion of purely radiative vacuum solutions at past timelike infinity***15:00 – 15:55:** Maciej Maliborski*Dynamics of a Yang–Mills field in the Einstein cosmos***• Tuesday, December 18, 2012****14:00 – 14:55:** Olivier Sarbach*Initial-boundary value formulations for Einstein's field equations***15:00 – 15:55:** Anil Zenginoglu*Green functions and caustic echoes from black holes***• Wednesday, December 19, 2012****11:30 – 12:30** Mikolaj Korzynski*Cubic black hole lattices: initial data and evolution***14:00 – 14:55:** Vincent Moncrief*Constrained propagation of spherically symmetric Einstein–Yang–Mills Fields out of Scri***15:00 – 15:55:** Gerhard Rein*Equilibrium configurations of self-gravitating matter distributions***• Thursday, December 20, 2012****11:30 – 12:30:** Gerhard Schäfer*Dynamics of binary systems in Hamiltonian general relativity***All lectures take place at the ESI Boltzmann Lecture Hall**