



## Applied and Computational Mathematics Seminar

**Title:** Modelling "real" neutron stars; dissipative multi-fluid systems in general relativity

**Speaker:** Nils Andersson (Southampton)

**Date:** Thu 29th May 2008 at 2:15PM

**Location:** Mathematical Sciences Seminar Room

**Abstract:** In this talk I will describe the challenges associated with modelling realistic neutron stars in general relativity. The development of such models is motivated by the needs of gravitational-wave "astronomy". I will describe why we have to consider multi-fluid systems, what this means for the models and how our understanding of this problem has developed in the last few years.

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