

**Speaker:**  
**Dr Alec Stephenson**  
**Faculty of Life & Social Sciences**  
**Swinburne University of Technology**

**Date: 2-3pm, Tuesday 25th March, 2008**

**Venue: E4A, Room 523 (level 5 seminar room)**

**Title: Max-stable processes**

**Abstract:** The extremes of environmental processes are often of interest due to the damage that can be caused at high levels. These processes are often spatial in nature and modeling the extremes jointly at many locations can be important. In this seminar, an extension of the Gaussian max-stable process is developed, enabling data from a number of locations to be modeled under a more flexible framework than in previous applications. The model is applied to annual maximum rainfall data from five sites in South-West England.