

Warwick Public Lectures In Mathematics and Statistics

Rainfall, Hydrology and Climate

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Rainfall is the driving force for many hydrological processes. As has been all too apparent in recent months, rainfall that cannot be absorbed or drained away causes major flooding disasters worldwide and flood defences must be designed to cope with extreme events. Soil moisture provides the dynamic link between climate, soil and vegetation, and impacts plant dynamics as well as other processes at a range of spatial scales. Historical rainfall data are, perhaps surprisingly, often not available at the temporal and spatial resolution needed for hydrological design. Climate change poses an additional challenge, as rainfall data under future climate scenarios are needed for design purposes. The talk, aimed at a general audience, will illustrate some of the approaches taken by statistical modellers to provide and use artificial rainfall data to address these issues.

Date: **Wednesday 8th May 2013**

Time: **6.15pm**

Venue: **MS.01, Zeeman Building (Maths and Statistics, University of Warwick)**

Refreshments will be served in the Main Atrium, Zeeman Building after the lecture.
Free car parking available in Car Park 15, please contact Lynn.Clarke@warwick.ac.uk
For more details see www.warwick.ac.uk/wplms

Warwick Public Lectures in Mathematics and Statistics are aimed at a general audience

