



KATHOLIEKE UNIVERSITEIT LEUVEN

Statistics Seminar

Joint organization by
ORSTAT, Faculty of Business and Economics and the Statistics Research Group,
Faculty of Science
Leuven Statistics Research Center

Dr. F. Mallor

Public University of Navarra, Dept of Statistics and Operations Research,
Pamplona, Spain

An introduction to statistical modelling of extreme values

**Thursday September 10, 2009
12:00—13:00**

Location: Room HOGM 00.74, Naamsestraat 69, Leuven.
Supporting research project: GOA-project 2007/04

Abstract:

Extreme value theory is a statistical discipline that is focused in describing the unusual rather than the usual. Its objective is to quantify the stochastic behaviour of a process at unusually large levels. By definition, the observation of these extreme values is very few frequent. Furthermore, the objective of an extreme analysis is to estimate probabilities of events that are more extreme than any that have already been observed. In this talk the classical block maxima models for extremes as well as threshold excesses models are introduced and illustrated by using real wind data.