

The University of British Columbia  
Department of Statistics

## STATISTICS SEMINAR

### *CONSTANCE VAN EEDEN DISTINGUISHED LECTURER*

**DATE:** Tuesday, 9 September 2003

**PLACE:** Lecture Hall, St. John's College, UBC

**TIME:** 4:00 p.m.

**SPEAKER:** **Dr. Chris Chatfield**  
Department of Mathematical Sciences  
University of Bath, UK

**TITLE:** Time-Series Forecasting in the New Millennium

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#### ABSTRACT

The talk will review the many different time-series forecasting methods available, ranging from simple (univariate) extrapolation methods through to (multivariate) vector ARMA models, and will include some long-memory and non-linear models. Some general recommendations are made on choosing a suitable method.

A selective review of recent research on time-series forecasting will be given, including:

- (1) Forecasting competitions;
- (2) The use of neural networks;
- (3) Model-selection biases;
- (4) The calculation of prediction intervals.

The talk aims to give an overview without going into technical details.

Examples will be included.