



The Directors of Winton Capital Management invite you to

EMBRACING UNCERTAINTY

Science, Technology and the Data Revolution

a lecture by Prof. Christopher Bishop *FREng FRSE*

on 21st September 2010 at

THE ROYAL SOCIETY, LONDON

RSVP by 30th July 2010

Emma Watkins

E.Watkins@WintonCapital.com

tel: +44 (0)20 7751 7768

BY INVITATION ONLY

WINTON LECTURES

EMBRACING UNCERTAINTY

Science, Technology and the Data Revolution

The exponential growth in our ability to collect and store data is having profound implications for many areas of science and technology. Extraction of useful information from this data must, however, address the challenges of complexity, ambiguity, and computational cost. Part of the answer to these challenges lies in mathematical concepts whose origins date back 250 years, and which provide us with a framework for quantifying uncertainty. When combined with recently developed algorithms for computationally efficient inference, they offer a new paradigm for machine learning having broad applicability. The talk will be illustrated with tutorial examples, demonstrations, and real-world case studies.

ABOUT THE LECTURER

Chris Bishop is a Microsoft Distinguished Scientist at Microsoft Research Cambridge, and Professor of Computer Science at the University of Edinburgh. He is a Fellow of the Royal Academy of Engineering, a Fellow of the Royal Society of Edinburgh, and a Fellow of Darwin College Cambridge. Chris is the author of the leading textbook: Pattern Recognition and Machine learning. In 2008 he presented the Royal Institution Christmas Lectures with the title Hi-tech Trek: the Quest for the Ultimate Computer.

EVENING PROGRAMME

- 18.30 Champagne Reception in the City of London Rooms
- 19.15 Lecture in the Wellcome Trust Lecture Hall
- 20.30 Buffet in the City of London Rooms
- 22.30 Carriages

Dress code: Smart/Casual

THE ROYAL SOCIETY
6-9 Carlton House Terrace
London SW1Y 5AG

