

# THE COMPLEXITY OF EMERGING BEHAVIOURAL RISKS FROM CLIMATE CHANGE

A Satellite Meeting of the ECCS 2010 Conference, September 13-17, 2010, Lisbon

## Theme of the Meeting

A wide variety of climate change behaviour can be found across the spectrum of science, industry and everyday life. Behavioural implications are wide-ranging, including energy (load forecasting, service restoration), civil protection (hurricane and winter storm warnings; flood protection), disaster threat analysis, surface transportation (traffic), shipping (routing), health issues (pollution, mosquito control), environment (Kyoto protocol), wildfire management and insurance. Extreme events relate to climate change can cause major losses. The size, complexity, and risks associated with such losses will differ depending on, for example, the nature of communities' behaviour towards such events.

The issue of risk in organisations arises in many activities. It may emanate from an inevitably incomplete understanding of infrequent climate change events; to failure in recognising what fragilities might exist in organisations that may lead to substantial impact from seemingly innocuous organisational engagements; or to failure in identifying how to protect organisational processes through robust process architectures.

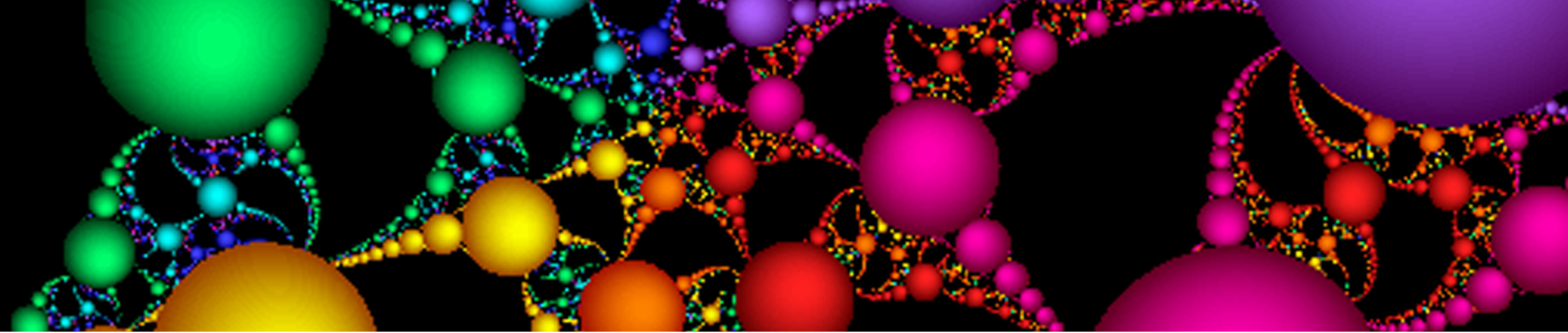
Too often, the task of risk managers and modellers has been centred on simplifying risk analysis to facilitate organisational response in a structured and hierarchical manner that fails to appreciate how risk impacts on organisations via the emergent and unforeseen connections that are difficult to predict, but not impossible to guard against given enough time to respond. This difficulty is compounded by changes in the risk environment. For example, climate change, extreme events such as global warming, global market volatility and the prospect of terrorist attacks have introduced enormous external pressures on the day-to-day operations of public and private services and greatly increased their exposure to risk. As a consequence, decision makers are challenged to consider a wider variety of risk drivers in every decision to assess exposure to risk and to identify risk emergent events. The task is becoming complex and almost impossible.

The purpose of the meeting is to debate and communicate advances in understanding risk, and aid business and organisations to better manage their risk exposure under climate change scenarios.

The meeting is designed to offer a knowledge-dissemination and discussion forum for those responsible for organisational risk management, and research and development in complexity theory and tools.

## Call for Papers:

The meeting organisers seek to attract previously unpublished papers, relevant to the theme of the meeting, as part of our ongoing research into **THE COMPLEXITY OF EMERGING BEHAVIOURAL RISKS FROM CLIMATE CHANGE**, we would like to bring together scholars who are interested in this timeless topic to present their work with the aim to publish an edited reference book as a guide for further research into this imperative research area.



## Topic Areas

The meeting organisers seek to attract outstanding academic and industrial contributors. Contributions will be peer-reviewed by a panel of experts. Papers are solicited in all areas related to **THE COMPLEXITY OF EMERGING BEHAVIOURAL RISKS FROM CLIMATE CHANGE**. Topic areas include, but are not limited to:

- Complexity theory for risk management of climate change
- Understanding the complexity of climate change risk management
- Complexity theory tools for understanding emerging climate change risks in engineered systems, natural systems and social systems
- Emerging risks from local communities behaviour under climate change scenarios
- The complexity of disaster risk management
- The complexity of vulnerability assessments
- Emerging risks from socio-economic impact of climate change
- Emerging risks from climate change to finance and insurance industry
- Emerging risks from climate change to property resilience
- Emerging risks consumers' behaviour to climate change
- Risks involvement due to climate change
- Emerging risks to health from climate change

These papers will be peer-reviewed by a panel of experts. Selected papers will be included in a proposed edited book that will provide a reference point for further research.

## Organisers

The built environment complexity research group at the University of Liverpool, in conjunction with The ECCS'10 European Conference on Complex Systems ( <http://eccs2010.eu> ), invite you to submit relevant research papers to this multidisciplinary event. This satellite meeting of the ECCS' 10 conference will bring together academics and practitioners from different domains and provide a forum to exchange ideas in this dynamic and ever changing field of climate change risk management

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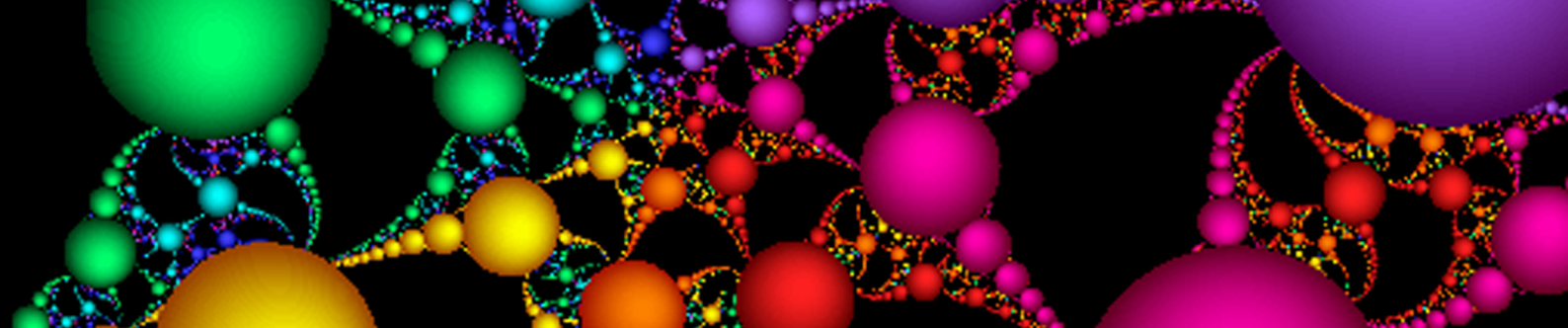
David Brookfield, school of management [d.brookfield@liv.ac.uk](mailto:d.brookfield@liv.ac.uk)

## Location and Dates:

The ECCS-2010 Conference will be held at the Lisbon University Institute, also known as ISCTE, located near "Entrecampos", in the northern part of Lisbon in Cidade Universitária (University Campus) together with the main Faculties of Lisbon University, Lisbon

The Conference will be held over the period of September 13-17, 2010

- September 13, 14 and 17, 2010 - ECCS'10 Main Conference
- September 15, 2010 - ECCS Satellite Meeting "the complexity of emerging behavioural risks from climate change"



## Benefits

You will have the opportunity to indulge in five days of complexity mingle of presentations and discussions from several fields. You will be attending all conference sessions during the 5 days, including 3 days for the ECCS Main Conference and 2 days for the ECCS Satellite Meetings.

## Registration and fees

### Early registration

From December 1, 2009 to April 30, 2010

- students: 140 euros
- professors: 180 euros
- others: 220 euros

### Normal registration

From May 1, 2010 to July 31, 2010

- students: 160 euros
- professors: 200 euros
- others: 240 euros

### Late registration

From August 1, 2010 to the conference

- students: 180 euros
- professors: 220 euros
- others: 260 euros

## Submission Deadlines

### Full paper submission

April 30, 2010

### Notification

May 31, 2010 - Paper reviews and notification of paper acceptance

## Contact for Further Information and Paper Submission

Authors can submit their papers to:

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