



**KANSAI
UNIVERSITY**



**University of
Leicester**



UN World Conference on
Disaster Risk Reduction
2015 Sendai Japan

An Official Side Event of the UN World Conference on Disaster Risk Reduction



Workshop on Emerging Trends in Disaster Risk Reduction



Tackling Black Swans, Hyper Risks and Extreme Events

Date: 17th March 2015


Time: 10:00 – 15:30

Venue: TKP Garden City

Sendai Kotodai (Hall 2)

(Sendai Park Bldg., 3-6-1 Kokubun-cho,
Aoba-ku, Sendai, Miyagi 980-0803 JAPAN)

**Organisers: Kansai and
Leicester Universities**



For more information and to register your
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Programme

Chairs: Prof. Andrew Collins & Prof. Toshio Takatorige

10:00-10:05 *Welcome and Opening Comments*

10:05-11:00 **Part I: Complexity Thinking: Vulnerability Analysis of Critical Infrastructure**
Network Thinking: Understanding interdependencies and interconnectivity to support vulnerability analysis and DRR

Dr Anthony J Masys and Dr Nibedita Ray-Bennett (Univ. of Leicester)

Emerging Critical Infrastructure Vulnerabilities: a perspective of systems thinking & reflective scenario planning

Dr Tie Xu and Dr Anthony J Masys (Univ. of Modern Sciences Dubai and Univ. of Leicester)

11:00-11:15 **Break**

11:15-13:00 **Part II: Systems Thinking, Systems Failure and Systems Alignment for DRR and Development**

Why more women die in disasters than men? : Making the case for 'systems failure'

Dr Nibedita S Ray-Bennett and Mr Bede Wilson (Univ. of Leicester)

Towards a systems approach to drought resilience in the Horn of Africa

Mr Samuel Akera, Mr J.A.C. Manzano, Mr L. Ogallo, Dr Nibedita S Ray-Bennett and Dr Anthony J Masys (UNDP, Nairobi, IGAD Climate Prediction and Applications Centre (ICPAC), Nairobi and Univ. of Leicester)

Disaster Dynamics: The Unintended Effects of Disaster Resilience Initiatives

Mr Bede Wilson (Univ. of Leicester)

Trust, emergent learning and building of communities of practice: Lessons we can draw from the case of drought proofing in Maharashtra, India

Dr Supriya Akerkar (Oxford-Brookes Univ.)

13:00-14:00 **Lunch**

14:00-15:00 **Part III: Tackling Complexities and Hyper-Risks**

Co-learning in Nepal: How can we learn from each other? Realising co-learning between experts and non-experts

Dr Hideyuki Shiroshita (Kansai Univ.)

Reactive to Pro-active to Reflective Disaster Responses: Introducing Critical Reflective Practices in Disaster Risk Reduction (DRR)

Dr Nibedita S Ray-Bennett, Dr Anthony Masys, Dr Hideyuki Shiroshita and Professor Peter Jackson (Univ. of Leicester)

15:00-15:30 **Concluding Remarks from the Chairs**

Contact Details

Organising Group of the Workshop

Dr Nibedita S Ray-Bennett, Lecturer in Risk Management, CSSU, University of Leicester, UK

Dr Anthony J Masys, Associate Tutor, CSSU, University of Leicester, UK

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