

CONFERENCE PROGRAMME

Thursday 13 July 2017

Thursday 13 July 2017	
08.30	Registration & tea, coffee
09.00	Welcome Address
Session 1: The Big Picture	
09.30	KEYNOTE: Why do natural disasters always take us by surprise? How science can help Bill McGuire, University College London
10.00	KEYNOTE : Mega Trends and Emerging Risks: Forging Ahead in an Uncertain World Keith Smith, Lloyd's of London
10.30	Tea & coffee break
Session 2: Taking Control?	
<i>Chair: Katherine Royse, British Geological Survey</i>	
11.00	Rolling the sky dice – how aviation deals with hazard and risk Tim Atkinson, theiC
11.20	Managing Risks across the Mining and Oil & Gas Lifecycle roundup Sarah Gordon, Satarla/The Geological Society
11.40	Understanding Weather and Climate Risk Matthew Perry, The Met Office
12.00	General dicussion
12.30	Lunch
Session 3: Communicating Our Risks – panel session/workshop	
13.30	Panel Session: Communicating Geoscience Risk Chair: Laurance Donnelly, Arup
14.30	Panel Session 1: Decision making under uncertainty in complex emergencies: what can volcanologists learn from other disciplines? Chair: Simon Day, University College London Panellists: Major General Mungo Melvin CB OBE MA & Tim Atkinson, theiC
14.30	Workshop: Rebranding our planet Scott Leonard, The Champion Agency
15.30	Tea & coffee break
Session 4: When Risk Really Bites	
<i>Chair: Glen Burridge, Glen Burridge & Associates</i>	
15.50	Military Risks: The paradoxes of likelihood, proximity and deniability Major General Mungo Melvin CB OBE MA
16.10	The value of expecting the unexpected: hazard awareness and the mitigation of tsunamis and megatsunamis in the absence of scientific consensus Simon Day, University College London
16.30	Someone has to love them Colin Stevenson, Crocodiles of the World
16.50	General discussion
17.30	Drinks Reception
Friday 14 July 2017	
08.30	Tea, coffee
08.45	Welcome Address
Session 5: Building Our World	
<i>Chair: John Booth, Geotechnics</i>	

09.00	The Role of a National Geological Survey in understanding and modelling geology to better inform the design of the built environment? Katherine Royse, British Geological Survey
09.20	How do geoscientists in the construction industry handle project hazard and risk? David Shilston, Atkins
09.40	Enterprise Risk Management of Geo-Environmental Hazards on Rail Infrastructure: Theory & Practice from Network Rail's Western Route Mike Gallop, Network Rail
10.00	Innovating a New Kind of Modular Reactor Power Station Design Paul Smith, Arup
10.20	General Discussion
10.40	Tea & coffee break
Session 6: Opportunities and Threats <i>Chair: Charlotte Bishop, Terrabotics</i>	
11.00	Forensic Geology Front Line Operation Services for Police and Law Enforcement Investigations and the Evaluation of Associated Risks Laurance Donnelly, Arup
11.20	Researching uncertainty – the NERC Centre for Doctoral Training in 'Data, Risk and Environmental Analytical Methods', DREAM Stephen Hallett, NERC DREAM Centre, Cranfield University
11.40	A view on AI and risk Philip Lindan, Withers LLP
12.00	General Discussion
12.40	Lunch
Session 7: Preventing Catastrophe <i>Chair: Simon Day, University College London</i>	
13.40	Earthquake Risk in the Alpine-Himalayan Belt Philip England, University of Oxford
14.00	Understanding and managing cascading disasters David Alexander, University College London
14.20	Natural Catastrophe (NAT CAT) Insurance assessment - Taking out the Cat Paul Clarke, JLT Specialty
14.40	General discussion
15.00	Tea & coffee break
Session 8: Risk Perceptions – Breakout sessions	
15.20	Workshop: Navigating geopolitical & country risk Chair: Tom Bacon, Protection Group International
15.20	Panel Session: Coping with epistemic uncertainty in the design of engineered solutions to the mitigation of extreme events Chair: Simon Day, University College London Panellists: Paul Smith, Arup & Paul Clarke, JLT Specialty
15.20	Workshop: How will climate risks change and how will you manage them effectively? Chris Jones & Ian Sollom, Strategic Fit
15.20	Workshop: The Path to Failure Sam Parkin, Evakin Consulting
Session 9: Learning From One Another – Panel session <i>Chairs: Glen Burridge, Glen Burridge & Associates & Sarah Gordon, Satarla/The Geological Society</i>	
6.00	Plenary session with session chairs
16.45	Conference Closes