Creating Transformative Solutions

Lovelock Centenary: The Future of Global Systems Thinking

29 – 31 July 2019, University of Exeter
exeter.ac.uk/gsi lovlockcentenary.info

#Lovlock100
Monday 29 July

12:00 – 13:00  Registration and Lunch
Musical entertainment (featuring Gaia Cabaret and Rosie Eade and friends from the Climate Stories project). Art on display throughout conference, including work by Glynn Gorick and images from the ‘Unlocking Lovelock’ Exhibition (courtesy of the Science Museum).

13:00 – 13:10:  Opening – Tim Lenton


13:30 – 15:30:  Plenary Session 1: The History of Gaia and of Global Systems Thinking

13:30 – 14:00:  Lee Kump – Finding life in the global cycling of the elements: Bob Garrels, Jim Lovelock and my introduction to Gaia

14:00 – 14:30:  Ros Rickaby – Co-evolution of life and the environment where adversity affords opportunity

14:30 – 14:45:  Andy Watson – Revolutions that made the Earth

14:45 – 15:00:  Claire Belcher – The history of atmospheric oxygen: regulation by fire

15:00 – 15:15:  Sebastian Dutreuil – Elaborating Gaia in the 1960’s and 1970’s: how a closer look at the life of an “independent scientist” helps illuminate and influence the originality of the theory

15:15 – 15:30:  Bronislaw Szerszynski – Gaia as a late-planetary sphere

15:30 – 16:00:  Tea and coffee

16:00 – 17:30:  Panel 1: What can we learn from Gaia (towards Gaia 2.0)?
Chair: Oliver Morton
Panellists: Judy Carver, Chris Rapley, Gaia Vince, Tyler Volk, Dave Wilkinson

17:30 – 19:00:  Poster Session and Drinks Reception with Gaia Cabaret entertainment

20:00 – 23:00:  ‘Earth’ themed open mic night at the City Gate, Iron Bridge, Exeter EX4 3RB
Tuesday 30 July

7:00 – 07:45: Morning run with Tim Lenton and Tom Powell, meet outside either Holland Hall or the Southgate Hotel

9:00 – 11:00: Plenary Session 2: The State of Global Systems in the Anthropocene

9:00 – 9:30: Tim Flannery – Climate of Hope

9:30 – 10:00: Ricarda Winkelmann – Tipping points in ice and society

10:00 – 10:15: Michel Crucifix – Against mechanism

10:15 – 10:30: Nadine Unger – Discovering the role of forests in Gaia

10:30 – 10:45: Peter Cox – How sensitive is the climate to CO2, and does it really matter?

10:45 – 11:00: Richard Betts – Climate impacts

11:00 – 11:30: Tea and coffee

11:30 – 13:00: James Lovelock interview and Q&A with Tim Lenton

13:00 – 14:00: Lunch

14:00 – 16:15 Plenary Session 3: Sensing Global Systems

14:00 – 14:30: Sander van der Leeuw – The information revolution in human systems

14:30 – 15:00: Amanda Power – Narrating a history beyond the triumph of humanity

15:00 – 15:15: John Clarke – The role of poetry in conveying interconnected self-regulating systems

15:15 – 15:30: Kate Rawles – Outdoor Philosophy

15:30 – 15:45: Nathan Mayne – Beyond the Earth system: searching for an Exo-Gaia

15:45 – 16:00: Arwen Nicholson – Modelling exo-Gaias / Is Gaia a universal phenomenon?
MEETING PROGRAMME

16:00 – 16:15: Oliver Morton – Luna and Gaia

16:15 – 16:30: Tea and coffee available ahead of Creative Session

16:30 – 18:00: Creative Session / Walk-and-talk
Options include: guided ‘deep time walk’ around campus and surroundings with Stephan Harding; ‘Living System Games’ with Robin de Carteret or; Gaia-wise Workshop: new thinking for sustainability transformations willow working with Jane Thomasson from Wych Willow. There is information about each of these options on pages 5–8 and here.

19:00 – 20:00: Poster Session and Drinks Reception with Gaia Cabaret entertainment

20:00 – late: Conference Dinner and Entertainments (in the Great Hall next to the Forum) After-dinner speaker – Tim Smit; then live band: ‘Clothyard Angels’ featuring Andy Watson

Wednesday 31 July

9:00 – 11:00: Plenary Session 4: Tipping Transformative Change

9:00 – 9:30: Tamara Galloway – A plastics odyssey

9:30 – 9:45: Jan Zalasiewicz – Visualising the Anthropocene

9:45 – 10:00: Lee Klinger - Indigenous-based forest management – looking to the past for a way forward

10:00 – 10:15: Susan Canney – Applied Gaia

10:15 – 10:30: James Dyke – Tipping socio-ecological transformations

10:30 – 10:45: Jean-Francois Mercure – Tipping socio-technical transformations

10:45 – 11:00: Stephan Harding – Teaching Gaia

11:00 – 11:30: Tea and coffee

11:30 – 13:00: Panel 2: How can we create positive change (towards Gaia 2.0)?
Chair: Helen Czerski
Panellists: John Elkington, Jane Fisher, Kirsty Lewis, David Schwartzman, Harry Studholme
13:00 – 13:30  **Closing:** – Tim Lenton
Banco de Gaia – a new musical creation
Lunch (with Gaia Cabaret entertainment) and depart

(Note: there will be follow-on workshops and evening public events from Agile Rabbit and Banco de Gaia at Exeter Phoenix. More information about the events open to the general public can be found here.)