



Creating Transformative Solutions

Lovelock Centenary: The Future of Global Systems Thinking

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

#Lovelock100



MEETING PROGRAMME

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
- 13:10 – 13:30:** Bruno Latour – Gaia 2.0 / Down to Earth
- 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

MEETING PROGRAMME

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?
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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

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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](#).)