



# Alternative Natural Philosophy Association 2019

*Sunday 11th August*

## Morning Session

9.30 - 10.30 **Roger Anderton.**  
Comparison of two translations of Einstein's relativity

## Coffee

11.00 - 12.00 **Grenville Croll.**  
BiEntropy, TriEntropy and Primality

12.00 - 1.00 **Peter Rowlands.**  
Iterative and Recursive

## Afternoon Session

2.00 - 3.00 **Andrew Crompton.**  
The Origin of Flowers

3.00 - 4.00 **Mike McCulloch.**  
TBC

## Coffee

4.30 - 5.30 **Barbara Gabrys.**  
Zen and science: the search for meaning

## Evening

7.30 **Dinner.**



# Alternative Natural Philosophy Association 2019

*Monday 12th August*

## Morning Session

- 9.30 - 10.30 **Nina Sotina .**  
From Bohr model of hydrogen to structures in the physical vacuum

## Coffee

- 11.00 - 12.00 **Mike Houlden.**  
Dark Matter
- 12.00 - 1.00 **John Williamson.**  
Dark Energy

## Afternoon Session

- 2.00 - 3.00 **Lou Kauffman.**  
Majorana Fermions, Braiding and the Dirac Equation
- 3.00 - 4.00 **Nick Rositter.**  
Physical Sounds as Colimits in the Topos

## Coffee

- 4.30 - 5.30 **Alex Hankey.**  
Physics of consciousness
- 5.30 - 6.30 **Eric Gerelle and Mike Horner.**  
Applying physical theories to the modelling of hierarchical evolutionary systems.

## Evening

- 7.30 **Dinner.**



# Alternative Natural Philosophy Association 2019

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*Tuesday 13th August: Day Trip*

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## Day Trip: Visit to Chester

9.30 **Gathering.**

Meet at Lime Street Station Concourse

10.30 **Arrival in Chester.**

4.00 **Departure from Chester Station.**

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## Return Aprox. 5pm

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## Evening

7.30 **Dinner.**



# Alternative Natural Philosophy Association 2019

*Wednesday 14th August*

## Morning Session

9.30 - 10.30 **Nadia Lvov .**  
Living matter and the physical vacuum

## Coffee

11.00 - 12.00 **Nicola Graves Gregory.**  
The mathematics of the Maheshwara

12.00 - 1.00 **John Hyatt.**  
... such stuff as dreams are made on

## Afternoon Session

2.00 - 3.00 **Peter Marcer.**  
Is There the Politico-Economic Will to Avoid A Coming Anthropocene Extinction of the Human Dynasty as Predicated by Nilpotent Quantum Mechanics? There is no Planet B!

3.00 - 4.00 **Leon Conrad.**  
Sentences

## Coffee

4.30 - 5.30 **Mark Johnson.**  
Anticipatory Fractals and Music

## Evening

7.30 **Dinner.**



# Alternative Natural Philosophy Association 2019

*Thursday 15th August*

———— Morning Session - Stafford Beer Archive, LJMU

9.30 - 11.30 **Tour and Talk on Stafford Beer archive , Cybernetics and ANPA.**

———— AGM

12.00 - 1.00 **ANPA AGM.**

———— Lunch: 1-2

———— Depart 2.30