



Quantifying Collective Behavior in Living Systems

May 3 – 4, 2017
Santa Fe Institute
1399 Hyde Park Road
Santa Fe, New Mexico

Agenda

Wednesday, May 3, 2017

8:15am Hotel Santa Fe Shuttle departs hotel to Santa Fe Institute

8:30 Continental Breakfast at Santa Fe Institute

Morning (9:00 - 11:30; synthesis 11:30-12:00)

Jessica Flack (Santa Fe Institute), and Doug Erwin (Smithsonian Institution/Santa Fe Institute)

Darwin Confesses at Turing-Church: The Evolution of Collective Computation

12:00 Lunch

Afternoon (1:00 - 3:30; synthesis 3:30-4:00)

Ari Strandburg-Peshkin (Max Planck Institute for Ornithology on Konstanz, GERMANY), and Colin Twomey (Princeton University)

House of the Rising Sun: Harmony and Dissonance in The Animals' Group Behavior

5:00 Hotel Santa Fe Shuttle departs Santa Fe Institute back to hotel

Thursday, May 4, 2017

8:15 Hotel Santa Fe Shuttle departs hotel to Santa Fe Institute

8:30 Continental Breakfast at Santa Fe Institute

Morning (9:00 - 11:30; synthesis 11:30-12:00)

Pawel Romanczuk (Humboldt University of Berlin), and Ole Peters (London Mathematical Laboratory)

Your Cooperation is Critical: The Value of Coalition

12:00 Lunch

Afternoon (1:00 - 3:30; synthesis 3:30-4:00)

Bryan Daniels (Arizona State University), and Doug Moore (Arizona State University)

The Only Certainties in Life are Taxes and Information Flow: The Math of Living is Collective

5:00 Hotel Santa Fe Shuttle departs Santa Fe Institute back to hotel

Friday, May 5, 2017

8:15am Hotel Santa Fe Shuttle departs hotel to Santa Fe Institute

8:30 Continental Breakfast at Santa Fe Institute

Morning (9:00 - 11:30; synthesis 11:30-12:00)

John Beggs (Indiana University/Santa Fe Institute), and Simon DeDeo (Carnegie Mellon University/Santa Fe Institute)

Neurons are People, Too: Brains as Societies, and Societies as Brains

12:00 Lunch

Afternoon (1:00 - 3:30; synthesis 3:30-4:00)

Manfred Laubichler (Arizona State University/Santa Fe Institute), and David Krakauer (President, Santa Fe Institute)

Metamemomics: Intelligent Systems En Masse

5:00 Hotel Santa Fe Shuttle departs Santa Fe Institute back to hotel

