

Workshop: Causality in complex systems (program)

Location: Universität zu Köln, Alter Senatssaal (AS), Albertus-Magnus-Platz, 50923 Köln

Dates: March 14 + 15, 2025

Organization: Tobias Henschen

Funding: German Research Foundation (DFG)

March 14 (Friday)

10:00-10:15: Opening

10:15-11:15: Trey Boone: Degeneracy and Causal Complexity in Neuroscience

Coffee break 1

11:30-12:30: Beate Krickel: Integratable or incompatible? Different explanatory approaches in cognitive neuroscience

Lunch 1

14:00-15:00: Marie Kaiser: Dealing with causal complexity – the role of the social niche concept

Coffee break 2

15:15-16:15: Carl Hoefer: Generic causation in complex, mind-dependent systems (remote)

Coffee break 3

16:30-17:30: Lauren Ross: Causal complexity and causal distinctions (remote)

Dinner 1, 18:30: Belgischer Hof (Brüsseler Straße 54, 50674 Köln)

March 15 (Saturday)

09:00-10:00: Tobias Henschen: Complexity and the Aristotelian distinction of four types of causes

Coffee break 4

10:15-11:15: Angela Potochnik: Causes don't push

Coffee break 5

11:30-12:30: James Ladyman: Causality, Complexity and Closure

Lunch 2

14:00-15:00: Mariusz Maziarz: Causal inference in randomized field experiments – an argument for simplicity

Coffee break 6

15:15-16:15: Alessio Moneta: High-level Causation and Causal Inference

Coffee break 7

16:30-17:30: David Danks & Maralee Harrell: Causality, levels, and complexity (remote)

Dinner 2, 18:30: Café Feynsinn (Rathenauplatz 7, 50674 Köln)