

APA CENTRAL GATHERINGS 2023 2/22/23 TO 2/25/23

A Session Organized by the
Institute for Studies in
Pragmatism

Texas Tech University



Program

Friday, 24th February,
7:00-10:00 pm.

Introduction:

Elize Bisanz & Lisa Palafox

On Peircean Reality.

Existent and non-existent concept of reality

Speakers:

Emily Adlam

Information is Physical:

Cross-Perspective Links in

Relational Quantum Mechanics

Jorge Manero

A Bohmian structural approach without
space realism

Tomasz Bigaj

On a relation-based ontology of the
quantum world

Discussion:

Chair: Celeste Hogan

Contributors:

Michael Granado - Rongrong Zhou -

Marcus Arvan - C. Peter Hertogh -

Brittany Gentry.

Conference location:

Hilton Denver City Central in
Denver, CO

Join Zoom Meeting

<https://texastech.zoom.us/j/91978623599>

Meeting ID: 919 7862 3599

philosophia naturalis

Making Sense of Relations and Realities

The various recent approaches to quantum worlds appear to be reaching a consensus: that spacetime is quantized, relational, and emergent out of a fundamentally new, pre-geometric order that exists “before” and “below.” Conventional reality, then, emerges as an explicate order from more fundamental, relational pre-geometric and pre-quantum implicate order(s), which exist beyond conventional science and philosophy.

This pre-geometric implicate order has the potential to answer the two most fundamental questions in all of the philosophia naturalis: what is the origin of spacetime and the fields within it, and ultimately, why is there something rather than nothing? Hence, the sub-Planckian order promises profound consequences, not just for foundational (meta)physics, but also for cosmic evolution in quantum cosmology and human knowledge of it.

Many scholars have explored these ideas, most notably the physicists David Bohm and Carlo Rovelli, and within the tradition of relational and process philosophy (Peirce, Bergson, Whitehead, Derrida, Deleuze, Guattari, DeLanda, et al.).

The session discusses historical and current positions towards a genuinely holistic philosophia naturalis, which unites philosophy and science beyond the traditional rational-empirical academic disciplinary boundaries.

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