

Sixth International Conference on the Nature and Ontology of Spacetime

Conference program

Talks - 30 min + 10 min question period

Only a laptop (with a projector) for the presentations will be available; make sure you have a PDF version of your presentation (for more details see the Program page on the conference site)

Monday, September 12, 2022

9:00 - Registration

9:20 - 9:30 Welcome Remarks

Chair: Gregorie Dupuis-Mc Donald (University of Salzburg)

9:30-10:10 - Jerzy Golosz (Institute of Philosophy, Jagiellonian University), Dynamic Multipresentism: In Defence of a Dynamic View of Reality

10:10-10:50 - Bruce M. Boman (Department of Mathematical Sciences, University of Delaware), Becoming as a Transition State in Spacetime

10:50-11:20 - Coffee break and discussions

11:20-12:00 - **Panel Discussion on Becoming and the Nature of Time**

12:00-14:00 - Lunch

Chair: Bruce M. Boman (Department of Mathematical Sciences, University of Delaware)

14:20-15:00 - Robert Rynasiewicz (Johns Hopkins University), Reichenbach's Uses of Non-Standard Simultaneity

15:00-15:40 - Gregorie Dupuis-Mc Donald (University of Salzburg), Imagination, Fiction and the Reality of Minkowski's Discovery of Spacetime

15:40 - Coffee break and discussions

$$d\tau = \sqrt{dt^2 - dx^2 - dy^2 - dz^2}$$

Tuesday, September 13, 2022

Chair: Gregorie Dupuis-Mc Donald (University of Salzburg)

9:30-10:10 - Anguel Stefanov (Institute of Philosophy and Sociology at the Bulgarian Academy of Sciences), Is Spacetime an Emergent Entity

10:10-10:50 - Marko Vojinovic (Institute of Physics Belgrade), Operational existence of a spacetime manifold

10:50-11:20 - Coffee break and discussions

11:20-12:00 - Sho Fujita (Kobe University, Japan), New Way of Interpretation about Spacetime through Macro and Micro Region

12:00-14:00 - Lunch

Chair: Marko Vojinovic (Institute of Physics Belgrade)

14:20-15:00 - Elton Marques (University of Lisbon), In defence of Einstein

15:00-15:40 - William Giovanni Jimenez Senzano (Columbia University), Spacetime and Relativity in Newton's Principia: A Radical Reinterpretation

15:40 - Coffee break and discussions

$$d\tau = \sqrt{dt^2 - dx^2 - dy^2 - dz^2}$$

Wednesday, September 14, 2022

Chair: Elton Marques (University of Lisbon)

9:30-10:10 - Marcoen Cabbolet (Free University of Brussels), A model of spacetime in a world with repulsive gravity

10:10-10:50 - Dan Shanahan, Protogravity: a quantum-theoretic precursor of actual gravity

10:50-11:20 - Coffee break and discussions

11:20-12:00 - Gall Alster (Haifa University), The Balloon Universe

12:00-14:00 - Lunch

Chair: Marcoen Cabbolet (Free University of Brussels)

14:20-15:00 - Vesselin Petkov (Minkowski Institute, Montreal), On Relativistic Mass

15:00-15:40 - Branko Kovac (Sydney, Australia), Nature of inertia and dynamic gravitational field

15:40 - Coffee break and discussions

$$d\tau = \sqrt{dt^2 - dx^2 - dy^2 - dz^2}$$

Thursday, September 15, 2022

Chair: TBA

9:30-10:10 - Georgios Kallidis, Space and Time Transport Equations and the Operational Interpretations of Lorentz Transformations as their Linear Solutions

10:10-10:50 - Hiroaki Fujimori, Proof of the Relativity Principle

10:50-11:20 - Coffee break and discussions

11:20-12:00 - Seyed Rasouli (Universidade da Beira Interior, Covilhã, Portugal), Noncompactified Kaluza-Klein gravity

12:00-14:00 - Lunch

14:00-14:40 - Panel Discussion on the Nature of Spacetime

14:40-15:10 - Coffee break and discussions

15:10-15:50 - Panel Discussion on the Nature of Gravitation

$$d\tau = \sqrt{dt^2 - dx^2 - dy^2 - dz^2}$$