Title: Welcome and Opening Remarks

Speakers: Alexander Smith, Flaminia Giacomini

Collection: Quantizing Time

Date: June 14, 2021 - 8:55 AM

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Quantizing Time



Léon Rosenfeld 1930

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Physical Origins of Time Asymmetry NATO Advanced Research Workshop (1991)

Time and interpretations of Quantum gravity Karel Kuchar (1992)

Canonical Quantum Gravity and the Problem of Time Isham (1993)

Quantum Information Science

Where are we now?

The Nature of Time, Cornell, 1963

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Where are we now?

"The physics of the twentieth century has modified the very foundation of our understanding of the physical world, changing the meaning of the basic concepts we use to grasp it: matter, causality, space and time. We are not yet able to paint a consistent picture of the world in which these modifications taken together make sense. The problem of quantum gravity is nothing less than the problem of finding this novel consistent picture, finally bringing the twentieth century scientific revolution to an end."

"We need to re-think the world in the light of what we have learned about it with quantum theory and general relativity."

Carlo Rovelli, Quantum Gravity, (2004)

The Nature of Time, Cornell, 1963

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