

**UNIT FOR HISTORY AND PHILOSOPHY OF SCIENCE  
SYDNEY INTERNATIONAL WINTER SCHOOL**

**17-21 JULY 2017**

**PHYSICS AND PHILOSOPHY OF TIME**

We invite applications from graduate students and early-career researchers in philosophy of physics and the metaphysics and physics of time, for a four-day (southern-hemisphere) winter school focusing directly on aspects of time. This workshop will provide students with the state of the art in the field delivered by leading researchers:

**Eric Cavalcanti:** Senior Lecturer in Physics at Griffith University. Dr Cavalcanti will be dealing with aspects of time in quantum mechanics, and also the notion of closed timelike curves.

**Anthony Eagle:** Senior Lecturer in Philosophy at Adelaide University. Dr Eagle will cover metaphysical issues concerning the flow of time, especially the idea of A-theories and B-theories of time.

**Dean Rickles:** Professor of History and Philosophy of Modern Physics at the University of Sydney. Professor Rickles will focus on a variety of issues at the intersection of the neuroscience and physics of time.

**Elay Shech:** Assistant professor at Auburn Department of Philosophy. Prof. Shech will be covering time in the context of statistical physics - especially the notion of arrows of time.

The focus will be on the reality (or unreality) of time and how physics impacts on this, looking at examples from physics, philosophy, and relevant psychology/neuroscience. The sessions will involve a mixture of seminars and reading/discussion groups. Students will be expected to play a very active role in the afternoon sessions, following an initial setting up of the key issues in a morning session.

Applicants should send a CV and a brief description (1 A4 page max) of their research interests, and how they relate to the theme of the winter school, to HPS Administration (with the subject heading: "Winter School Application"). Closing date is June 1st, 2017. Accommodation and most meals will be provided for successful applications, but transport costs will not be covered.

Email [hps.admin@Sydney.edu.au](mailto:hps.admin@Sydney.edu.au)

The Winter School is supported by the Sydney Centre for the Foundations of Science, the Department of History and Philosophy of Science, and the International Research Collaboration Fund