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## The Legacy of Basil Hiley, as seen in the work of his last student

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Professor Basil J Hiley's career in physics spanned more than six decades across myriad disciplines including condensed matter physics, Clifford algebras, and the foundations of quantum mechanics. He worked with some of the most well-known physicists of the 20th century and was himself known to, and influenced, countless others. His full legacy is impossible to estimate.

Despite this, as his last PhD student, I am keenly aware of the impact Basil's ideas and mentorship have had on my own research. In this talk, I will walk through some of this work and highlight where Basil's influence can most clearly be seen. This will allow us to not only explore Basil's personal philosophies regarding physics and mathematics, but also see something of his character. In this manner, we will reveal some ways in which his ideas will live on.

**Presenter:** Dr BRADSHAW, Peter T. J. (University College London)