

PROFESSOR VLATKO VEDRAL / QUANTUM ENTANGLEMENT AND THE NATURE OF REALITY

School of Physical Sciences: Stephen Gray Lecture Series

As part of the School of Physical Sciences' Stephen Gray Lecture Series, Professor Vlatko Vedral will be delivering a talk about quantum entanglement and the nature of reality.

After the lecture, there will be free refreshments and a chance for informal conversations.

ABOUT THE LECTURE / QUANTUM ENTANGLEMENT AND THE NATURE OF REALITY

After a lightning tour of entanglement, Professor Vlatko Vedral will talk about recent experiments where, alongside his collaborators, he managed to entangle a living bacterium to light. Vlatko will then discuss some implications of macroscopic entanglement for our understanding of the nature of reality. Vlatko will present a simple variant of the 'Schrödinger cat meets Wigner's friend' thought experiment to illustrate how counterintuitive the entangled universe is, if indeed both the observers and the observed are completely governed by the laws of quantum physics.

When: Thursday 14th March 2019

Time: 3 – 5pm

Where: Grimond Lecture Theatre 2 (147), University of Kent

ABOUT THE SPEAKER / VLATKO VEDRAL

Vlatko Vedral is a professor of Quantum Information at Oxford and professor of Physics at the National University of Singapore. He has published over 300 research papers, reviews and textbooks and is one of the Clarivate Highly Cited Researchers. His work has reached a broader audience through the media (The Observer, New Scientist, BBC Radio 4) and popular-science books. He is the author of "Decoding Reality: The Universe as Quantum Information".



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