

# Colloquium d'Informatique de l'UPMC Sorbonne Universités

## Unifying logic and probability: A "New Dawn" for Artificial Intelligence?

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Stuart Russell is a Professor of Computer Science at UC Berkeley and Adjunct Professor of Neurosurgery at UC San Francisco. He is currently visiting UPMC and holds the Chaire Blaise Pascal (\*). His research covers many aspects of artificial intelligence and machine learning. He is a fellow of AAAI, ACM, and AAAS and winner of the IJCAI Computers and Thought Award. His book "Artificial Intelligence: A Modern Approach" (with Peter Norvig) is the standard text in the field.

Logic and probability are ancient subjects whose unification holds significant potential for the field of artificial intelligence. A recent cover article in New Scientist went so far as to announce an "Intelligence Revolution" and a "New Dawn for AI". This talk will explain some of the underlying technical ideas and their application.

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