



# LOGIC & PHILOSOPHY OF SCIENCE

*Jeff Barrett, Chancellor's professor and department chair, is working to resolve the quantum measurement problem. Photo by Daniel Anderson, UCI Communications.*

## INVESTIGATE

Why does  $2 + 2 = 4$ ? How do alternate worlds exist but still come together to shape our experience? How do we mathematically account for infinite uncertainties in decision making models?

In the UCI Department of Logic & Philosophy of Science, faculty and students investigate these issues and others that cross fields of science, physics, biology, linguistics, social science, logic and mathematics.

## INNOVATE

Using mathematical logic, advanced mathematics, computer simulations and other analytic methods, LPS scholars study existing – and develop new – models for explaining how and why the world exists the way that we see it.

## IMPACT

Together with the UC Irvine Department of Philosophy, the faculty who make up the LPS department contribute to the undergraduate curriculum at UC Irvine by teaching courses for a number of philosophy-related degree programs.

LPS faculty annually instruct and mentor 25 graduate students who go on to teaching and research careers at top educational institutions around the world.

## MAKE A DIFFERENCE

A gift to logic & philosophy of science has the power to transform individuals and communities and truly make a difference.

Contact us today or visit us online at [www.socsci.uci.edu](http://www.socsci.uci.edu) to learn how past donations have helped fund our future leaders.