Kiran Kedlaya
Professor of Mathematics

Research Areas	Number Theory
	Arithmetic Algebraic Geometry
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Professional Biography

Dr. Kedlaya received his Ph.D. in Mathematics from MIT in 2000. For the next three years, he held postdoctoral positions at the Mathematical Sciences Research Institute in Berkeley, at the University of California at Berkeley, and at the Institute for Advanced Study in Princeton. Since then, Dr. Kedlaya has been a faculty member at MIT, first as Assistant Professor and then as Associate Professor. Dr. Kedlaya is an expert on a broad range of topics related to arithmetic algebraic geometry and number theory, especially p-adic cohomology, p-adic Hodge theory, and computational number theory. He is the author of 49 research papers, and his research has been recognized with a highly prestigious five year Presidential Early Career Award for Scientists and Engineers (PECASE) from the NSF.   In addition, he has been awarded a Sloan Research Fellowship, and a Clay Lift off Fellowship.

Dr. Kedlaya has an outstanding record of dedicated teaching, has served as a mentor to numerous undergraduate and graduate students, and has been active in nurturing talented high school students in mathematics, with active involvement in organizational aspects for the International Mathematics Olympiad and as the author of a Putnam Exam problem book. At UCSD, Dr. Kedlaya will teach a range of courses, ranging from lower division calculus to research-level courses in algebra and number theory.

Dr. Kedlaya's research is in the area of number theory and arithmetic algebraic geometry. His specialties include p-adic analytic methods, p-adic Hodge theory, algorithms, and applications in computer science (including cryptography).

Education
- Ph.D. Mathematics, Massachusetts Institute of Technology, 2000
- M.A. Mathematics, Princeton University, 1997
- B.A. Mathematics and Physics, Harvard University, 1996

Awards and Distictions
- Stefan E. Warschawski Endowed Chair
- Alfred P. Sloan Fellowship
- Presidential Early Career Award for Scientists and Engineers (PECASE)
- Fellow of the American Mathematical Society (AMS)

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