

# UC Berkeley CS Division ACM A.M. Turing Award Research 1970-1990

Seven independent research projects between 1970 and 1990 in the UC Berkeley Computer Science Division (composed of 25 to 30 faculty) won ACM A.M. Turing Awards. Below are some of the seminal papers published during that time.

	Richard Karp	William Kahan	Andrew Chi-Chih Yao	Manuel Blum	Silvio Micali	Shafi Goldwasser	Michael Stonebraker	David Patterson
2010	<p><i>Given this data, I think you could make the case that the greatest team of Computer Science researchers ever assembled at one place and time was at Berkeley in the 1980s.</i>                      – Prof. John Ousterhout, Stanford University</p>				ACM A.M. Turing Award 2012		ACM A.M. Turing Award 2014	ACM A.M. Turing Award 2017
2000			ACM A.M. Turing Award 2000					
1990		ACM A.M. Turing Award 1989		ACM A.M. Turing Award 1995 <i>Designing Programs That Check Their Work</i> , 1989 Blum & S. Kannan		<i>Probabilistic Encryption</i> , 1984 Micali & Goldwasser	<i>The Implementation of Postgres</i> , 1990 Stonebraker, L. Rowe & M. Hirohama	<i>Computer Architecture: A Quantitative Approach</i> , 1990 Patterson & J. Hennessy
1980	ACM A.M. Turing Award 1985		<i>Theory and Applications of Trapdoor Functions</i> , 1982 Yao	<i>How to Generate Cryptographically Strong Pseudo-Random Bits</i> , 1984 Blum & Micali		Ph.D. Berkeley 1984	<i>The Design of Postgres</i> , 1986 Stonebraker & Rowe	<i>The Case for the Reduced Instruction Set Computer</i> , 1980 Patterson & D. Ditzel
1970	<i>Reducibility Among Combinatorial Problems</i> , 1972 Karp	<i>On a Proposed Floating-point Standard</i> , 1979 Kahan & J. Palmer	Ph.D. UIUC 1975	<i>Coin Flipping by Telephone: A Protocol for Solving Impossible Problems</i> , 1982 Blum	Ph.D. Berkeley 1982		<i>The Design and Implementation of INGRES</i> , 1976 Stonebraker, G. Held, E. Wong & P. Kreps	Ph.D. UCLA 1976
1960	Ph.D. Harvard 1959	Ph.D. U of T 1958		Ph.D. MIT 1964			Ph.D. UMich 1971	

