Rajit Manohar

B.S., M.S., Ph.D. (1998) Caltech

John C. Malone Professor of [Electrical Engineering](#)
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🆕 Yale EE is hiring in computer engineering ([details](#))

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[Research](#): ([group](#))

My group is part of the [Computer Systems Lab](#) at Yale.

I primarily work on [asynchronous VLSI](#) design and architecture. I am also interested in a number of other subjects including concurrency, formal methods, programming language semantics, information theory, and cognitive systems.

[Publications](#) ([selected](#)) / [News](#) / [Bio](#) / [CV](#)

Teaching:

My [teaching over the years](#) has been in the general area of computer systems. I will be teaching a new course, EENG 426/CPSC 459/ENAS 876 (Silicon Compilation) this coming Fall.

In terms of why I teach classes the way I do, I like some of the opinions in [EWD 1305](#).

Prior to moving to Yale, I was on the faculty at Cornell from 1998 to 2016 where I received the Tau Beta Pi and Cornell Society of Engineers Excellence in Teaching Award (2000), the IEEE Teacher of the Year Award (2001), the Sonny Yau '72 Excellence in Teaching Award (2001), the

Michael Tien '72 Excellence in Teaching Award (2004), the Ruth and Joel Spira Excellence in Teaching Award (2005, 2009), the Kenneth A. Goldman '71 Excellence in Teaching Award (2012), and the Cornell Tech Professor of the Year Award (2016). I was named a Stephen H. Weiss Presidential Fellow (2014)—Cornell's highest teaching award—for "a sustained record of effective, inspiring, and distinguished teaching of undergraduate students."

For students seeking letters of recommendation
For prospective graduate students
For prospective summer interns

Service:

Major service activities at Yale include:

- Member, FAS Senate, *7/2017-6/2019*
- Member, Physical Sciences and Engineering Area Committee and Tenure and Appointments Committee, *7/2018-6/2020*

Prior to joining the Yale faculty, I was on the Cornell faculty for 18 years. The following lists some of my major service activities at Cornell.

- Associate Dean for Research, Cornell Tech, *1/2015-4/2015*
- Associate Dean for Academic Affairs, Cornell Tech, *11/2012-12/2014*
- Co-Chair (with David Shmoys), Academic Planning Committee for Cornell Tech, *2/2012-8/2013*
- Associate Dean for Research and Graduate Studies, College of Engineering, Cornell, *1/2010-6/2010 (interim), 7/2010-6/2012*
- Member, Technology Transfer Advisory Committee, Cornell, *7/2008-12/2013*

Personal:

You can find out a bit about me if you like. Here are some quotations, puzzles, and poems. Some local FreeBSD tweaks.

I founded Achronix Semiconductor Corporation, the multi-GHz FPGA company that is based on asynchronous FPGA technology developed by my research group (John Teifel's Ph.D. thesis).