

ACM Turing Award

1993: Juris Hartmanis
1986: John Hopcroft

National Academy of Engineering

1992: Dick Conway
1991: Don Greenberg
1988: Juris Hartmanis
1988: John Hopcroft

American Academy of Arts & Sciences

2000: Eva Tardos
1992: Juris Hartmanis
1987: John Hopcroft

Honorary doctorates

2003: Fred B. Schneider, University of Newcastle upon Tyne, UK
1999: Don Greenberg, New Jersey Institute of Technology, NJ
1998: David Gries, Miami University, Oxford, OH
1998: Juris Hartmanis, University of Missouri, MO
1996: David Gries, Daniel Webster College, NH
1995: Juris Hartmanis, University of Dortmund, Germany
1990: John Hopcroft, University of Seattle, WA

Grand Medal of the Latvian Academy of Sciences (Lielo Medalu)

The highest award given by the Academy for outstanding creative contribution.

2001: Juris Hartmanis

Latvian Academy of Science

1992: Juris Hartmanis

Bolzano Gold Medal, Academy of Science, Czech Republic

1995: Juris Hartmanis

Humboldt Senior U.S. Scientist Award

1993-94: Juris Hartmanis

Humboldt Distinguished Scientist Award

1987-88: Gerry Salton

ACM Coons Award

The highest award given in graphics.

1987: Don Greenberg

National Computer Graphics Association Academic Award

1988: Don Greenberg

National Academy of Sciences Award for Initiatives in Research

Given to one US scientist under the age of 35.

2001: Jon Kleinberg

Guggenheim Fellowships

2001-2002: Joe Halpern
1999-2000: Eva Tardos
1996-1997: Steve Vavasis
1991-1992: Dexter Kozen
1990-1991: Bob Constable
1983-1984: David Gries
1961-1962: Gerry Salton

Fulbright Scholar

2002: Joe Halpern

SOCIETY FELLOWS

Fellow, IEEE

1987: John Hopcroft

Fellow, ACM

Program began in 1993.

2003: Dexter Kozen
2002: Joe Halpern
2002: Bart Selman
2001: David Shmoys
1998: Ken Birman
1997: Eva Tardos
1994: Bob Constable
1994: Gerry Salton
1994: Fred Schneider
1993: David Gries
1993: John Hopcroft
1993: Juris Hartmanis

Fellow, AAAS

2002: Don Greenberg
2002: Bart Selman
1995: Fred Schneider
1990: David Gries
1987: John Hopcroft
1981: Juris Hartmanis

Fellow, AAAI

2000: Bart Selman
1993: Joe Halpern

NATIONAL/INTERNATIONAL PRIZES FOR PAPERS

Fulkerson Prize

Given triennially by the AMS and the Mathematical Programming Society for a paper published in the previous six years in discrete mathematics.

1988: Eva Tardos

ACM/EATCS Gödel Prize

Given annually for an outstanding paper(s) in the past six years in theoretical computer science.

1997: Joe Halpern

Fox Prize

Given to a person under 31 in the field of numerical analysis.

1993: Yuying Li

ACM Programming Systems and Languages Paper Award

1977: David Gries and Susan Owicki

SERVICE AWARDS

Computing Research Association Distinguished Service Award

2000: Juris Hartmanis
1991: David Gries

NATIONAL EDUCATION AWARDS

New York State Professor of the Year

Given by CASE and the Carnegie Foundation for the Advancement of Teaching. Universities and colleges submit nominations in any discipline.

1994: Dan Huttenlocher

AFIPS (American Federation of Information Processing Societies) Education Award

1986: David Gries

ACM-SIGCSE Education Award

1991: David Gries

ACM Karl V. Karlstrom

Outstanding Educator Award
1995: David Gries

IEEE Taylor L. Booth

Education Award

1994: David Gries

SELECTED CORNELL TEACHING AND ADVISING AWARDS

Cornell Weiss Presidential Fellow

Cornell instituted this award in 1993 to recognize outstanding contributions to undergraduate education. Given annually to three faculty (out of 1600).

1997: Dan Huttenlocher
1995: David Gries

A&S Clark Award for Excellence in Undergraduate Teaching

Given annually to one or two faculty (out of ~ 600).

1989: Juris Hartmanis
1987: David Gries

A&S Russell Distinguished Teaching Award

Given annually to one or two faculty--out of ~ 600.

2001: Dexter Kozen
1998: Keshav Pingali
1994: Dan Huttenlocher

A&S Robert Paul Advising Award

Given annually to one or two faculty (out of ~ 600).

1998: Charles Van Loan

Cornell Carpenter Memorial Advising Award

Recognizes distinguished contributions to undergraduate advising. Given annually to one to four faculty (out of 1600).

2002: Graeme Bailey

AWARDS TO GRADUATE STUDENTS

2002: Tim Roughgarden: Honorable mention in the ACM Doctoral Dissertation Award competition. Advised by Eva Tardos.

1994: T.V. Raman: ACM Doctoral Dissertation Award for his PhD thesis, *Audio System For Technical Readings*. Advised by David Gries.

1983: Tom Reps: ACM Doctoral Dissertation Award for his PhD thesis, *Generating Language-Based Environments*. Advised by Tim Teitelbaum.

AWARDS TO UNDERGRADUATE STUDENTS

2003: Eugene Lee: First place in the national Intel Student Research Contest. Advised by Kavita Bala.

2003: Omar Khan: CRA Outstanding Male Undergraduate Award.

2001: Allegra Angus: CRA Outstanding Female Undergraduate Award.

1998: Pedro Felzenszwalb: CRA Outstanding Male Undergraduate Award Runner-up.

1998: David Liben-Nowell: Honorable Mention, CRA Outstanding Male Undergraduate Award.

1992: Team of Kleinberg, Munoz, and Krosky: Fifth out of 284 in the Putnam mathematics competition.

1992: Zhang: In the top 10 individuals in the Putnam mathematics competition.

The senior faculty in a department are a stabilizing force; they provide experience, a wealth of knowledge, and a perspective that younger faculty cannot have. Wisdom, some might call it. On the other hand, excellent young faculty bring fresh innovation, excitement, a sense of the new. A department without continual rejuvenation through outstanding new faculty will lose its vitality.

CS at Cornell has consistently been able to attract star young faculty members. One sees this in the number of young faculty who have received special

awards to further their careers. Some of these, like Keshav Pingali, Dan Huttenlocher, Jon Kleinberg, Fred Schneider, and Eva Tardos, have become themselves distinguished senior faculty at Cornell. Many others, like Greg Andrews, Tom Henzinger, Greg Morrisett, Ronitt Rubinfeld, and Bob Tarjan, have excelled elsewhere.

Since such research awards and grants started (about 1984), three to seven of our young faculty have received such awards every year, many of them for several years. In 2003-2004, for example, eight young faculty held 11 such awards.

NSF Presidential Young Investigator

John Gilbert (84-88)
Vijay Vazirani (87-89)
Bruce Donald (88-92)
Keshav Pingali (88-95)
Dan Huttenlocher (90-97)
David Shmoys (86-92)
Stephen Vavasis (90-97)
Eva Tardos (91-96)
Paul Pederson (92-94)

NSF Faculty Early Career Development

Monica Rauch-Henzinger (94-96)
Tom Henzinger (94-96)
Jon Kleinberg (96-02)
Ronitt Rubinfeld (96-00)
Praveen Seshadri (96-00)
Thorsten von Eicken (96-00)
Bart Selman (97-03)
Claire Cardie (96-00)
Johannes Gehrke (01-04)
Greg Morrisett (01-03)
Andrew Myers (01-04)
Golan Yona (01-03)
Thorsten Joachims (03-05)
Steve Marschner (03-05)
Jai Shanmugasundaram (03-05)
Rich Caruana (04-06)

Presidential Early Career Award for Scientists and Engineers (PECASE)

Greg Morrisett (00-02)

IBM Faculty Development Award

Kevin Karplus (83-86)
Fred Schneider (83-85)
Vijay Vazirani (84-87)
Keshav Pingali (86-88)
Johannes Gehrke (00-02)
Jai Shanmugasundaram (03-06)

Sloan Research Fellowship

Eva Tardos (91-93)
Thorsten von Eicken (97-99)
Ronitt Rubinfeld (97-00)
Srinivas Keshav (97-99)
Jon Kleinberg (97-99)
Greg Morrisett (97-03)
Brian Smith (97-98)

Bart Selman (99-04)
Lillian Lee (01-03)
Johannes Gehrke (03-07)
Andrew Myers (01-03)

Lily Foundation Teaching Fellow

Claire Cardie (96-97)

Packard Foundation Fellowship

Eva Tardos (90-95)
Jon Kleinberg (00-05)

ONR Young Investigator

Ronitt Rubinfeld (92-97)
Tom Henzinger (94-96)
Jon Kleinberg (99-01)

"One of the very best things about Cornell is the way the senior faculty work to ensure the success of the junior faculty. They help the new faculty with funding, write unsolicited letters for fellowships and awards, and of course, provide a lot of one-on-one help through mentorship. In my own case, it was clear that a number of senior people worked hard behind the scenes to clear a path so that I could concentrate on the important things: students and research."

~ Greg Morrisett
Allen B. Cutting Professor of Computer Science
Harvard University

