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A Conversation with Juris Hartmanis

The Legacy of Cornell Faculty and Staff

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This document contains links to video and text material relating to the distinguished career of Juris Hartmanis published by the Internet First University Press (IFUP) in the Cornell eCommons. This material can be accessed at: <http://ecommons.library.cornell.edu/handle/1813/14143>

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Links to all of the content in the IFUP can be found at: <http://ecommons.library.cornell.edu/handle/1813/3613>. The Hartmanis material is in a section of the IFUP commemorating the *Legacy of Cornell Faculty and Staff*. Links to all the material in this section can be found at: <http://ecommons.library.cornell.edu/handle/1813/14289>.

Abstract: Juris Hartmanis is video taped in a far-reaching conversation (70 minutes) with colleague David Gries. They discuss Hartmanis' childhood and family background and his immigration to the United States. Next they trace his extraordinary career at the GE Research Laboratory, where he collaborated with Richard Stearns on pioneering research that eventually was recognized by ACM's prestigious, highest honor – the Turing Award. After having served earlier as an Instructor in Cornell's Mathematics Department, Juris returned to Cornell as a full professor and the founding chair of a new department of Computer Science. This Department was embedded in two colleges, Engineering and Arts and Sciences. Cornell was among the first Universities to establish a Department of Computer Science. His pioneering work on computational complexity blossomed into a new field and under his leadership the Computer Science department matured into a robust, national leader with a strong theoretical emphasis.

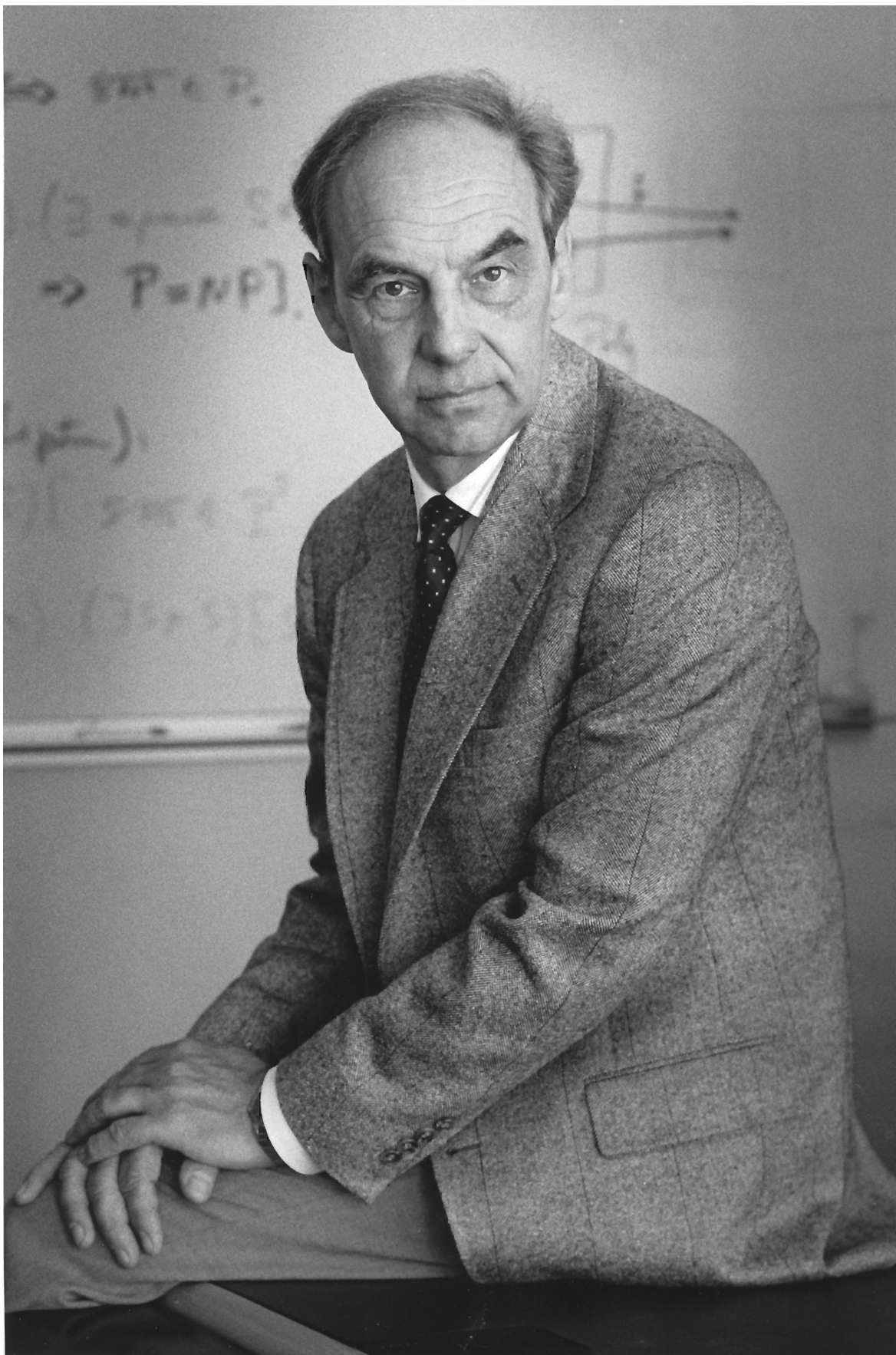
After a successful stint at the National Science Foundation leading the transition of the academic research network NSFnet to become the Internet, he returned to Cornell. At Cornell he continues an active program of research and maintains a leadership role in developing information technologies that have become a ubiquitous element across the entire Cornell academic scene.

A higher resolution version of the Hartmanis video material and related content is available on a DVD that can be purchased from the Cornell Campus store (see: <http://site.booksite.com/3635/nl/?list=CNL5>).

This DVD was produced by J. Robert Cooke and Kenneth M. King.

Some Links to Articles about Juris Hartmanis and the Computer Science Department at Cornell

1. (Appointment of Juris Hartmanis as Professor and Chairman of Computer Science.) *Engineering Quarterly*, Spring 1966, v1_n1. pp30-31. <http://ecommons.library.cornell.edu/handle/1813/2214>
2. The Nature of Information: The Province of Computer Science in the University Today. Richard W. Conway. *Engineering Quarterly*, Autumn 1973, v8_n3 pp2-7 <http://ecommons.library.cornell.edu/handle/1813/2283>
3. Computer Science is Ranked Fourth in U.S. *Cornell Chronicle*. October 12, 1978. v10_n7 p7. <http://ecommons.library.cornell.edu/handle/1813/5346>
4. Register. (Juris Hartmanis is named Walter R. Reed Professor of Engineering in the intercollege Department of Computer Science while serving his second (non-consecutive) term as department chair.) *Engineering Quarterly*, Winter 1980-81, v15_n3. pp39-40. <http://ecommons.library.cornell.edu/handle/1813/2414>
5. Cornell's Computer People: A small department looms large in devising theory for an industry. William Steele. December 1983. *Cornell Alumni News*. v86_n5. pp. 22-31. <http://ecommons.library.cornell.edu/handle/1813/3794>
6. Twenty Years of Computer Science. *Engineering Quarterly*. Autumn 1985. v20_n2 <http://ecommons.library.cornell.edu/handle/1813/2431> Twenty Years of Computer Science at Cornell. David Gries pp2-11. Immediate Computation: Or How to Keep a Personal Computer Busy. Tim Teitelbaum and Thomas Reps. pp12-18. Reaching Agreement: A Fundamental Task—Even in Distributed Computer Systems. Fred B. Schneider, Özalp Babaoglu, Kenneth P. Birman, and Sam Toueg. pp19-22. Programming Methodology: Making a Science Out of an Art. David Gries and Fred B. Schneider. pp. 23-27. Robotics and Computer Science. Dean B. Krafft. pp 28-33. Computer Architecture: The Software–Hardware Interface. Jon A. Solworth. pp.34-40. Setting an Example: Administrative Computing in Cornell's Department of Computer Science. Diane Duke and Michele Fish.. pp. 41-43.
7. Communications: Computer Science at Cornell. (Comments on the origin of the department.) Richard Conway. *Engineering Quarterly*. Winter 1986, v20_n3. p.47. <http://ecommons.library.cornell.edu/handle/1813/2432>
8. Teachers honored for excellence by students, peers. (Hartmanis:1989 John M. and Emily B. Clark Award) *Cornell Chronicle*. May 25, 1989. v20_n34. pp.6-7. <http://ecommons.library.cornell.edu/handle/1813/5356> (Next issue corrections caption v20_n35. p2.) <http://ecommons.library.cornell.edu/handle/1813/5356>
9. Register: (Hartmanis named to third (non-consecutive) term as Chair of Computer Science Department.) *Engineering Quarterly*. Summer 1992. v26_n4. p37. <http://ecommons.library.cornell.edu/handle/1813/2211>
10. Cornell's Hartmanis named to head NSF's computer science directorate. By Larry Bernard. *Cornell Chronicle* 28(4) 1996 p3. <http://ecommons.library.cornell.edu/handle/1813/10774>
11. Committee Named: Diana Daniels '71 to Lead Presidential Search. *Cornell Alumni Magazine*. September/October 2005. v108_n2. p. 9. (Hartmanis serves as member of the Presidential Search that leads to appointment of David Skorton.) <http://ecommons.library.cornell.edu/handle/1813/8183> Also: *Cornell Chronicle*. September 29, 2005. v37_n7. p2. http://www.news.cornell.edu/Chronicle/05/09_29_05.pdf
12. 40th Anniversary Symposium: Celebrating 40 years of leadership in research and education. Department of Computer Science. Cornell University. 1 October 2005. 48 pages. David Gries, Editor-in-Chief. <http://www.cs.cornell.edu/events/40years/> and <http://www.cs.cornell.edu/events/40years/all.pdf>



Juris Hartmanis

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