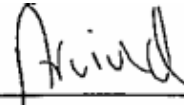


Arvind

(Signature)



Massachusetts Institute of Technology
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545 Technology Square Cambridge, MA 02139 U.S.A.

自：昭和59年 / 月17日(火)

至：昭和59年 / 月20日(金)

招へい目的	Arvind氏が研究を行っているデータフローマシンはICOTが研究開発している推論システムと深くかかわりを持つ。そこで彼を招聘し、彼の提唱するデータフローマシンについての講演を聴講し、ICOTメンバーと議論を行ない、ICOTの当該分野におけるすみやかな研究開発推進の一助とする。
研究交流概要	ICOTにおいて、講演、SIMグループ、PIMグループとのミニワークショップを行った。上記研究交流には、SIM、PIMグループをはじめ、当該分野の研究員が参加し、議論が活発に行なわれ、ICOTの当該分野の研究開発にとり、彼の招聘は有益であった。以下その概要について記す。 (1) 講演 (1月19日(木)) (演題) The Tagged-Token Dataflow Machine データフロー・アーキテクチャの有効性を確認するためには研究開発中のマルチプロセス構成のシミュレーションについて述べた。 (2) SIMグループとのミニワークショップ SIMグループから、SIMアーキテクチャおよびSIMハードウェアの紹介を行ない、さらに、Concurrent Prolog について議論した。 (3) PIMグループとのミニワークショップ PIMグループから、データフローマシン・アーキテクチャ、1977マシン・アーキテクチャ、Prologプログラムの静的解析について紹介し、それらのアーキテクチャを用いて、詳しい議論をした。

MASSACHUSETTS INSTITUTE OF TECHNOLOGY

School of Engineering Faculty Personnel Record

March 4, 1983

Full Name: Arvind (This is my full legal name.)

Department: Electrical Engineering and Computer Science

1. Date of Birth: 15 May 1947

2. Citizenship: Indian

Immigration Status: Permanent resident of U. S. A.

3. Education:

School	Major	Degree	Date
Indian Institute of Tech., Kanpur	Electrical Engineering	B. Tech.	1969
University of Minnesota, Minneapolis	Computer Science	M. S.	1972
	Computer Science	Ph.D.	1973

4. Title of Thesis for Most Advanced Degree:

Models for the Comparison of Memory Management Algorithms

5. Principal Fields of Interest:

Computer Systems Architecture, Programming Languages, and Operating Systems

8. Non-M. I. T. Experience (including military service):

Employer	Position	Beginning	Ending
Pillsbury Company	Research Analyst	June 1970	June 1972
Univ. of California, Irvine	Asst. Professor	January 1974	December 1978
Indian Inst. of Tech., Kanpur	Visiting Asst. Prof.	October 1977	July 1978

9. History of M. I. T. Appointments:

Rank	Beginning	Ending
Assistant Professor	January 1979	June 1982
Associate Professor	July 1982	present

10. Consulting Record: IBM (Poughkeepsie, Yorktown Heights), TRW-Array Processors, Adler and Company, Hewlett Packard, ICL (U.K.)

12. Government Committees, Service, etc.:

- Publications Chairman for MICRO-8, the eighth workshop on the special interest group of ACM and IEEE on microprogramming, Chicago, Illinois, August 1975.
- Session chairman at the ACM Computer Science Conference in Anaheim, California, May 1976.
- Organized with Professors Kim Gostelow and Fred Tonge, the UCI Workshop on Dataflow and Reduction Languages, University of California, Irvine, April 21-22, 1977.
- Session chairman at the first M.I.T. Workshop on Dataflow Computer and Program Organization, July 1977.
- Participated in a two day symposium on introducing computers in government by the Indian Institute of Technology, Kanpur, for the heads of the department of the State government of Uttar Pradesh, Lucknow, India, February 12-13, 1978.
- Session Chairman at NCC in New York, June 6, 1979.
- Organized with Prof. Dennis, M.I.T. Workshop on Functional Languages, July 1980.
- Session Chairman at ICPP 80 Boyne Highlands, Michigan, August 1980.
- Member Program Committee, The 8th International Symposium on Computer Architecture, Minneapolis, May, 1981.
- Program Co-chairmen for the ACM Sponsored Conference on Functional Languages and Computer Architecture. Portsmouth, New Hampshire, October 18-22, 1981.
- Member Program Committee, The 9th International Symposium on Computer Architecture, Austin, Texas, April 1982.
- Site visits to North Carolina and Duke on behalf of NSF - Coordinated Experiment Research Program, January 1982.
- NSF Committee to select Universities for the Coordinated Experiment Research Program, Washington, D.C., February 22, 1982.
- Organized the MIT-IBM Workshop on Parallel Computing, Lenox, Mass, April 15-16, 1982.
- Organized with Prof. Dennis, MIT Dataflow Workshop, Endicott House, Dedham, Mass, July 12-14, 1982.
- Negotiated the loan of an IBM 4341 with the Director of IBM, Endicott, July 30, 1982.
- Panel on New Architecture The 3rd International Conference on Distributed Computer Systems, Miami/Ft. Lauderdale, Florida, October 18-22, 1982.

- Parallel Architecture Panel, Information Technology Workshop, Sponsored by NSF in coordination with DARPA, DOE etc. Leesburg, Virginia, January 5-7, 1982.
- Organized the MIT visit of Dr. Sanjivi Rao, Union Minister of Electronics, India, January 24, 1983.
- Appointed Editor of *Journal of VLSI and Computer Systems*, Fall 1982.

14. Current Organization Membership:

Organization	Offices Held
Association for Computing Machinery Special Interest Groups of ACM: SIGARCH SIGOPS SIGPLAN	Member (1972-present)
Computer Society of I.E.E.E.	Member (1974-present)
Computer Society of India	Member (1978-1979)