Presentations

Presentations in 1991-96


Presentations in 1990

*Technology and Teaching — Context and Issues*, Invited Keynote Address, 1990 Instructional Improvement/ Educational Technology Conference, organized by the University of California Office of the President, UC Davis, May 2.

*Using Simulation, Animation, and Exploratory Environments to Help Teach Computer Science Fundamentals*, Harvey Mudd College, Claremont, California, (Live Macintosh Demonstration), March 29.


Presentations in 1986

*Can Computers Help Revitalize Education?*, Invited Faculty Address, UCI Honors Convocation, June 13.

*How Will We Utilize New Technology in Providing Education in the Future?*, Invited Presentation, UCI Faculty Retreat, Rancho Santa Fe, (live Macintosh demonstration), May 31.

*Can Computers Help Revitalize Education?*, Invited Address to Honors Students, Computer Science Night, UC Davis, (Live Macintosh Demonstration), May 22.

*Can Computers Help Revitalize Computer Science Education?*, Brown Bag Lunch, UCI, ICS Department, (live Macintosh demonstration), May 14.
Presentations in 1985

*Computers in the School of the Future*, California Principal’s Conference for Academic Excellence in Effective Schools, Anaheim, Ca, (live Macintosh demonstration), Nov. 22.

*Macintosh — Future Directions*, ACM Meeting, UC Irvine, (live Macintosh demonstration), February 8.

Presentations in 1984


*The Epistemology of Computer Programming*, Computer Science Colloquium, Yale University, New Haven, Connecticut, February 15.


Arcturus - How it Works, and Rapid Prototyping in Arcturus, two talks at the IBM Federal Systems Division, Bethesda, Maryland, January 9.

Presentations in 1983

Software Reuse, Workshop on Reusability in Programming, ITT, Newport, Rhode Island, September 7.


Arcturus — An Advanced Interactive Programming Environment, Colloquium, ICS Department, UC Irvine, February 23.


Rapid Prototyping in Arcturus, 16th International Hawaii Conf. on System Sciences,
Honolulu, Hawaii, January 7.

Presentations in 1982


*New Category — Extensibility*, KITIA Meeting, Waltham, Mass, June 18.


Presentations in 1981


*Program Understanding Techniques*, DARPA Conference on Program Visualization, Key West, Florida, December 15.


*The Arcturus Personal Workstation*, panel on Mini/Micro-Based Software Engineering Environments, 5th International Conference on Software Engineering,
San Diego, California, March 11.


**Presentations in 1980**

*Problems and Research Directions in Programming Environments*,

*Arcturus: An Advanced, Highly-Integrated Programming Environment*,
Symposium on Software Engineering Environments, Lahnstein, Germany, June 17.

*What is Computer Science?*, Santa Ana College, Santa Ana, California, April 26.

*Programming Environments*, Computer Science Colloquium, University of San Francisco, April 10.


**Presentations in 1979**

*Transformation Techniques: Constructive or Destructive?*, Panel Discussion with E.W. Dijkstra, D. Gries, R.M. Burstall, B. Randell, and P. Pepper,
4th International Conf. on Software Engineering, Munich, Germany, September 18.

**Presentations in 1978**

*Fast-Fit: A New Dynamic Memory Allocation Technique*, Computer Science Seminar, Univ. of Southern California, Los Angeles, California, November 1.


*Program Transformations*, Computer Science Colloquium, Jorgensen Lab.,
Presentations in 1977

Arcturus, Information Sciences Institute, University of Southern California, Marina del Rey, CA, July 15.

Presentations in 1976

What is Computer Science?, Information and Computer Science Department Annual Lecture, University of California, Irvine, September 25.

Refining and Improving Programs with Source-to-Source Transformations, Computer Science Colloquium, Dept. of Applied Mathematics, Harvard University, Cambridge, MA, June 22.

Improving and Refining Programs by Program Manipulations, Colloquium, Computer Science Department, University of Utah, Salt Lake City, Utah, May 18.


Presentations in 1975

What Do Computer Scientists Do?, Mathematics Colloquium, Department of Mathematics, U. C. Riverside, Riverside, CA, December 3.


Presentations in 1974

Extensible Languages - An Anatomy of a Failure, ACM National Meeting, SIGPLAN Lecturer, San Diego, CA, November 11.

Data Structures - An Axiomatic Approach, University of California, Irvine, April 8.
Extensible Languages - An Anatomy of a Failure, University of California, Irvine, April 5.

Observations and Hypotheses About Program Synthesis Mechanisms,
Computer Science Seminar, Sofftech Inc., Waltham, MA, January 3.

Presentations in 1973

Representation Cascades, Hierarchy and Knowledge Structures in Automatic Programming,
Yale University, October 29.

APL Implementation Techniques, Harvard University, October 23.

Representation Cascades, Hierarchy and Knowledge Structures in Automatic Programming,
Brandeis University, October 16.

Data Structures — An Axiomatic Approach, Brown University, October 9.

New Trends in Programming Languages, Computer Science Seminar,
Bolt Beranek and Newman, July 12.

Automatic Program Synthesis Techniques, Brown University, June 27.

Presentations in 1972

The Air Traffic Control System — Present and Future, Computer Graphics Seminar,
Harvard University, December 13.

Extensible Languages — An Anatomy of a Failure, ACM SIGPLAN,
Boston Chapter Meeting, Brandeis University, December 7.

Extensible Languages — An Anatomy of a Failure, Queen’s University,
Kingston, Ontario, Canada, October 19.

On the Limitations of Our Current Stock of Ideas About Extensible Languages,
Courant Institute of Mathematical Sciences, New York University, May 5.

A Comparison of PPL and APL, Computer Science Colloquium,
Yale University, April 11.

Presentations in 1971

After Extensible Languages, What Next?, Brown University, March 17.

A Live Demonstration of PPL, Johns Hopkins University, March 1.

Axioms for Data Structures, SIGPLAN Symposium on Data Structures in Programming Languages, Gainsville, FL, February 26.

A Live Demonstration of PPL, Yale University, February 22.


Presentations in 1970


Control Structures for Programming Languages, The Mitre Corporation, Bedford, MA, October 14.


Presentations in 1969


The Role of Extensible Languages in a Network of Computers, Workshop on Networks of Computers, University of Maryland, College Park, October 21.


The Enroute Air Traffic Control System — Present and Future, University of Utah, February 28.

Presentations in 1968


*A Polymorphic Programming Language*, University of Waterloo, Waterloo, Ontario, Canada, November 11.

*Data Definition Techniques*, Joint Chiefs of Staff, Pentagon, given with A.J. Perlis, October 14.

*Conferencias Sobre Analisis Sintactico* (in Spanish), National University of Mexico, Visting Lecturer Series, July 18.


Presentations in 1967

*Formula Algol*, Computer Science Colloquium, Cornell University, October 13.

*Data Definition Facility for Programming Languages*, Computer Science Colloquium, Cornell University, October 12.

*A Data Definition Facility for Programming Languages*, IBM Poughkeepsie Laboratories, July 24.

*A Data Definition Facility for Programming Languages*, IBM Watson Research Center, Yorktown Heights, July 24.


Presentations in 1966

*Formula Algol*, Computer Science Colloquium, University of Wisconsin, Madison, December 21.

*A Data Definition Facility for Programming Languages*, Computer Science Colloquium, The Pennsylvania State University, University Park, October 21.

*How it Feels to Compute in Carnegie Tech’s Remote Job Entry System*, NATO Conference

*Programming Language Design Criteria and Trade-Offs*, Computer Science Colloquium, University of Texas, Austin, TX, May 3.

*A Formal Semantic Language of Feldman and Its Use in Compiler Writing*, Computer Science Colloquium, University of Texas, Austin, May 2.


**Presentations in 1965**

*Formula Algol*, Computer Science Colloquium, Stanford University, September 25.