CALL FOR PAPERS

1986 ACM Conference on
LISP AND FUNCTIONAL PROGRAMMING

Massachusetts Institute of Technology, August 4–6, 1986

This conference is the fourth in a series of biennial conferences on topics related to functional programming and other significant new directions in programming. This conference is jointly sponsored by ACM SIGPLAN, SIGACT and SIGART. Papers are solicited in the following areas:

1. Programming language notions for symbolic computation (e.g., data abstraction, parallelism, lazy evaluation, infinite data objects, self-reference).
2. Implementations (e.g., specialized architectures, compiler design, combinatory models, garbage collection).
3. Programming logics (e.g., semantics and reasoning about programs, types and type inference).
4. Programming environments and tools (e.g., knowledge-based programming tools, program transformation, specifications, debugging tools).
5. Applications and experience with symbolic computing (e.g., real-time programming, AI tools, experience with Lisp, ML, FP, PROLOG, SMALLTALK, etc.).

Submissions will be considered by each member of the program committee:

Rodney Brooks, MIT
L. Peter Deutsch, Xerox PARC
Gilles Kahn, INRIA
David MacQueen, Bell Laboratories
J. Alan Robinson, Syracuse University
William L. Scherlis, CMU (Program co-Chairman)
David Turner, Kent University
Mitchell Wand, Northeastern University
Mark Wegman, IBM Research
Daniel Weinreb, Symbolics
John H. Williams, IBM Research (Program co-Chairman)

Please submit 11 copies of a detailed summary (not a complete paper) to:

John H. Williams
IBM Research, K53-803
650 Harry Road
San Jose, CA 95120-6099

Summaries should explain what is new and interesting about the work and what has actually been accomplished. It is important to include specific results and specific comparisons with related work. The committee will consider the appropriateness, clarity, originality, practicality, significance, and overall quality of each summary. Time does not permit consideration of complete papers or long summaries; a length equivalent to 8 to 12 double-spaced typed pages is strongly suggested.

DEADLINES: February 10, 1986 is the deadline for the submission of summaries. Authors will be notified of acceptance or rejection by March 21, 1986. The accepted papers must be typed on special forms and sent by May 16, 1986 to:

William L. Scherlis
Computer Science Department
Carnegie-Mellon University
Pittsburgh, PA 15213

Authors of accepted papers will be requested to sign ACM copyright release forms. Proceedings will be distributed at the conference and will be available for purchase from ACM.

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