Chairs' Reports

POPL 2009

General Chair's Report

POPL 2009 Expenses

- Food and Beverage — 54%
- A/V and Internet — 11%
- Registration and Mgmt — 11%
- ACM Fee — 10%
- PC and Speakers — 7%
- Proceedings — 2%
- Contingency — 5%

PC Chair's Report

Submission Topics

abstract interpretation

algebraic / categorical methods

bio-computing

compilers

concurrency

contracts

database programming

debugging

distributed systems

domain-specific languages

dynamic analysis

functional programming

logic

low-level languages

memory management

module systems

multi-core programming

object-oriented programming

partial evaluation / multi-stage prog.

process calculi

program transformation

program verification

scientific computing

security

semantics

static analysis

testing

tools

type inference

types

web programming

Topic Popularity

60	static analysis	10	process calculi
60	program verification	10	abstract interpretation
57	semantics	8	low-level languages
47	types	8	dynamic analysis
40	logic	8	contracts
32	concurrency	7	partial evaluation / multi-stage prog.
31	program transformation	5	testing
28	compilers	5	module systems
24	object-oriented programming	4	web programming
17	tools	4	debugging
16	multi-core programming	3	scientific computing
16	functional programming	3	memory management
14	type inference	3	database programming
13	domain-specific languages	0	bio-computing
13	distributed systems		
11	security		
11	algebraic / categorical methods		

A Little Survey

- Some members of the POPL community would like to see a world where POPL submissions would routinely be accompanied by mechanically checked proofs.

- Question: How many POPL submissions are *already* using proof assistants?

The Survey

❑ Check this box if you have used a proof assistant *in some way* in developing the results in your paper -- e.g., for formalizing and sanity-checking definitions.

(Your responses to these questions will be used only for informational purposes; they will not affect your chances of acceptance.)

❑ Check this box if the proofs of your main results have been *fully* mechanically checked.

❑ Check this box if you *may or may not* have used a proof assistant in some way but prefer not to say which.

	Submissions
Machine assisted	30
Fully verified	12
Declined to specify	5
No response	112
Total	159

	Submissions	Accepted	Acceptance rate
Machine assisted	30	5	17%
Fully verified	12	2	17%
Declined to specify	5	2	40%
No response	112	27	24%
Total	159	36	23%

Most Influential POPL Paper
from
1999

Andrew Myers

Practical Mostly-Static Information Flow

Andrew Myers' 1999 POPL Paper "Practical Mostly-Static Information Flow Control" demonstrated the practicality of using static information flow analysis to protect privacy and preserve integrity by giving an efficient information flow type checker for an extension of the widely-used Java language. The work has had a significant impact both within and beyond the programming language community. In particular, subsequent work for other languages has largely followed the path laid out in this paper, and the compiler infrastructure developed for JFlow (now called Jif) is widely used as a research platform. Furthermore, using the JFlow work as a basis, several major research initiatives are investigating the challenges of building complex, real-world systems with confidentiality guarantees.
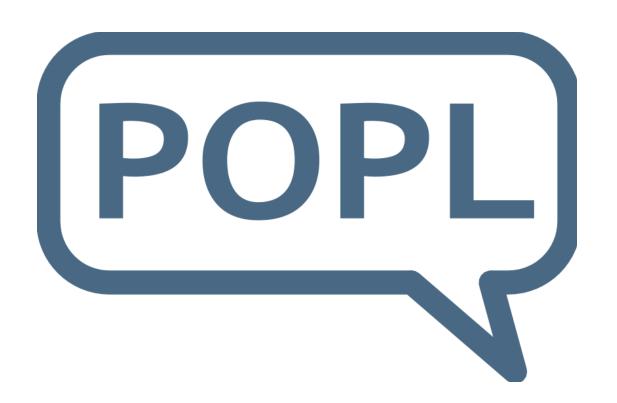
POPL Logo Competition

Competition Organizers

- Chair: Swarat Chaudhuri

- Selection committee:
  - Luca Cardelli
  - Swarat Chaudhuri
  - Shriram Krishnamurthi
  - Benjamin Pierce

And the winner is…

Jan Christiansen

Christian-Albrechts University, Kiel

POPL's new logo!

POPL

2010

Madrid, Spain
January 20-22

37th ACM SIGACT-SIGPLAN Symposium on
Principles of Programming Languages

http://www.cafepress.com/popl

(2009 shirts coming soon!)

POPL 2010