



CALL FOR PAPERS — FLOPS 2016

Thirteenth International Symposium on Functional and Logic Programming

Kochi (Shikoku), Japan March 3-6, 2016



Organizers:

- Oleg Kiselyov
(Tohoku University, Japan, PC co-chair)
- Andy King
(University of Kent, UK, PC co-chair)
- Yukiyoshi Kameyama
(University of Tsukuba, Japan, General Chair)

Program Committee Members:

- Andreas Abel
(Gothenburg University, Sweden)
- Lindsay Errington
(USA)
- Makoto Hamana
(Gunma University, Japan)
- Michael Hanus
(CAU Kiel, Germany)
- Jacob Howe
(City University London, UK)
- Makoto Kanazawa
(National Institute of Informatics, Japan)
- Hsiang-Shang Ko
(National Institute of Informatics, Japan)
- Julia Lawall
(Inria-Whisper, France)
- Andres Löh
(Well-Typed LLP, UK)
- Anil Madhavapeddy
(Cambridge University, UK)
- Jeff Polakow
(USA)
- Marc Pouzet
(École normale supérieure, France)
- Vitor Santos Costa
(Universidade do Porto, Portugal)
- Tom Schrijvers
(KU Leuven, Belgium)
- Zoltan Somogyi
(Australia)
- Alwen Tiu
(Nanyang Technological University, Singapore)
- Sam Tobin-Hochstadt
(Indiana University, USA)
- Hongwei Xi
(Boston University, USA)
- Neng-Fa Zhou
(CUNY Brooklyn College and Graduate Center, USA)

Topics (Non-Exhaustive List):

- Functional, logic, functional-logic programming
- Re-writing systems
- Formal methods and model checking
- Program transformations and program refinements
- Developing programs with the help of theorem provers or SAT/SMT solvers
- Foundations
- Language design
- Implementation issues: compilation techniques, memory management, run-time systems
- Applications of the above
- Real-world case studies, Tools

Aims and Scope: FLOPS aims to bring together practitioners, researchers and implementors of the broadly understood declarative programming, to discuss mutually interesting results and common problems: theoretical advances, their implementations in language systems and tools, and applications of these systems in practice. The scope includes all aspects of the design, semantics, theory, applications, implementations, and teaching of declarative programming. FLOPS specifically aims to promote *cross-fertilization between theory and practice and among different styles of declarative programming*.

FLOPS promotes cross-fertilization among different styles of declarative programming. Therefore, submissions must be written to be understandable by the wide audience of declarative programmers and researchers. Submission of system descriptions and declarative pearls are especially encouraged.

There will be an award for the best paper.

Submission Categories: Regular research papers, System descriptions, Declarative pearls

Invited Speakers:

- Kazunori UEDA (Waseda University)
The exciting time and hard-won lessons of the Fifth Generation Computer Project
- Atze Dijkstra (Utrecht University)
UHC: Coping with Compiler Complexity

Proceedings and Special Journal Issue: The proceedings will be published by Springer International Publishing in the Lecture Notes in Computer Science (LNCS) series, as a printed volume as well as online in the digital library Springer-Link.

The authors of 4-7 best papers will be invited to submit the extended version of their FLOPS paper to a special issue of the journal Science of Computer Programming (SCP).

Submission Guidelines: All submissions can be up to 15 pages long including references, in Springer's LNCS or compatible style. Regular research papers should be supported by proofs and/or experimental results. In case of lack of space, this supporting information should be made accessible otherwise (e.g., a link to a *Web page*, or an *appendix*). Papers should be submitted electronically via EasyChair.

Important Dates:

- Abstract submission September 21, 2015
- Paper submission September 25, 2015 (FIRM)
- Author notification November 16, 2015

Web Site:

<http://www.info.kochi-tech.ac.jp/FLOPS2016/>