# Call for Papers
# ICFP 2008: International Conference on Functional Programming

**Victoria, BC, Canada, 22–24 September 2008**

**Conference Chair**

James Hook
*Portland State University*

**Program Chair**

Peter Thiemann
Albert-Ludwigs-Universität
Georges-Köhler-Allee 079
79110 Freiburg, Germany
Email: `icfp08@informatik.uni-freiburg.de`
Phone: +49 761 203 8051
Fax: +49 761 203 8052

**Program Committee**

Derek Dreyer
*Max Planck Institute for Software Systems*
Robert Ennals
*Intel Research*
Kathleen Fisher
*AT&T Research*
Zhenjiang Hu
*National Institute of Informatics*
Frank Huch
*University of Kiel*
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Alan Schmitt
*INRIA*
Chung-chieh Shan
*Rutgers*
Mitchell Wand
*Northeastern University*
Stephen Weeks
*Jane Street Capital*

**Important Dates (at 09:00 Apia time, UTC−11)**

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| Submission: | 2 April 2008 |
| Author response: | 21 May 2008 |
| Notification: | 16 June 2008 |
| Final papers due: | 9 July 2008 |

**ICFP 2008 Web Site**

`http://www.icfpconference.org/icfp2008/`

**Special Journal Issue**

There will be a special journal issue with papers from ICFP 2008. The program committee will invite the authors of select accepted papers to submit a journal version to this issue.

ICFP 2008 seeks original papers on the art and science of functional programming. Submissions are invited on all topics from principles to practice, from foundations to features, from abstraction to application. The scope includes all languages that encourage functional programming, including both purely applicative and imperative languages, as well as languages with objects and concurrency. Particular topics of interest include

- *Applications and Domain-Specific Languages:* systems programming; scientific and numerical computing; symbolic computing; artificial intelligence; databases; graphical user interfaces; multimedia programming; scripting; system administration; distributed-systems and web programming; XML processing; security
- *Foundations:* formal semantics; lambda calculus; type theory; monads; continuations; control; state; effects
- *Design:* algorithms and data structures; modules; type systems; concurrency and distribution; components and composition; relations to object-oriented or logic programming
- *Implementation:* abstract machines; compile-time and run-time optimization; just-in-time compilers; memory management; parallel hardware; interfaces to foreign functions, services, components or low-level machine resources
- *Transformation and Analysis:* abstract interpretation; partial evaluation; program transformation
- *Software-development Techniques:* design patterns; specification; verification; validation; debugging; test generation; tracing; profiling
- *Functional Pearls:* elegant, instructive, and fun essays on functional programming
- *Practice and Experience:* novel results drawn from experience in education or industry.

Experience Reports are also solicited, which are short papers (4 pages max) that provide evidence that functional programming really works or describe obstacles that have kept it from working in a particular application.

Functional Pearls and Experience Reports are separate categories of papers that need not report original research results and must be marked as such at the time of submission. Detailed guidelines on both categories are on the conference web site.

### Abbreviated instructions for authors

By Wednesday, 2 April 2008, 09:00 AM Apia time, submit an abstract of at most 300 words and a full paper of at most 12 pages (4 pages for an Experience Report), including bibliography and figures. The deadline will be strictly enforced and papers exceeding the page limits will be summarily rejected. Authors have the option to attach *supplementary material* to a submission, on the understanding that reviewers are not expected to read it.

A submission will be evaluated according to its relevance, correctness, significance, originality, and clarity. It should explain its contributions in both general and technical terms, clearly identifying what has been accomplished, explaining why it is significant, and comparing it with previous work. The technical content should be accessible to a broad audience.

Each submission must adhere to SIGPLAN's republication policy, as explained on the web at `http://www.acm.org/sigplan/republicationpolicy.htm`.

Proceedings will be published by ACM Press. Authors of accepted submissions are expected to transfer the copyright to ACM. They may have the option to have their presentation videotaped and published along with the conference proceedings in the ACM Digital Library. Video recordings will only be released at the consent of the presenter, which is expressed by signing an additional copyright release/permission form.

*Formatting:* Submissions must be in PDF format printable in black and white on US Letter sized paper and interpretable by Ghostscript. If this requirement is a hardship, make contact with the program chair at least one week before the deadline.

Papers must adhere to the standard ACM conference format: two columns, nine-point font on a ten-point baseline, with columns 20pc (3.33in) wide and 54pc (9in) tall, with a column gutter of 2pc (0.33in). A suitable document template for LaTeX is available from SIGPLAN at `http://www.acm.org/sigs/sigplan/authorInformation.htm`.

*Submission:* Electronically at `https://www.softconf.com/s08/icfp08/submit.html`.

*Author response:* You will have a 48-hour period, starting at 09:00 on 21 May 2008 Apia time, to read and respond to reviews.