

Call For Papers

12th International Symposium on Trends on Functional Programming 2011

Madrid, Spain. May 16-18, 2011

Introduction

The symposium on Trends in Functional Programming (TFP) is an international forum for researchers with interests in all aspects of functional programming, taking a broad view of current and future trends in the area. It aspires to be a lively environment for presenting the latest research results, and other contributions (see below), described in draft papers submitted prior to the symposium. A formal post-symposium refereeing process then selects a subset of the articles presented at the symposium and submitted for formal publication, as a Springer Lecture Notes in Computer Science volume, as they were for the TFP 2010 selected papers.

TFP 2011 is going to be held in the Computer Science Faculty of Complutense University of Madrid, on May 16-18, 2011. It will be co-located with the 2nd International Workshop on Foundational and Practical Aspects of Resource Analysis (FOPARA 2011). This collocation could make such a gathering a very interesting event and will allow researchers from the two communities to exchange ideas.

The TFP symposium is the heir of the successful series of Scottish Functional Programming Workshops. Previous TFP symposia were held in [Edinburgh](#) (Scotland) in 2003, in [Munich](#) (Germany) in 2004, in [Tallinn](#) (Estonia) in 2005, in [Nottingham](#) (UK) in 2006, in [New York](#) (USA) in 2007, in [Nijmegen](#) (The Netherlands) in 2008, in [Komarno](#) (Slovakia) in 2009, and in [Oklahoma](#) (USA) in 2010. For further general information about TFP please see the TFP homepage at <http://www.tifp.org/>

Scope of the Symposium

The symposium recognises that new trends may arise through various routes. As part of the Symposium's focus on trends we therefore identify the following five article categories. High-quality articles are solicited in any of these categories:

Research Articles

leading-edge, previously unpublished research work

Position Articles

on what new trends should or should not be

Project Articles

descriptions of recently started new projects

Evaluation Articles

what lessons can be drawn from a finished project

Overview Articles

summarising work with respect to a trendy subject

Articles must be original and not submitted for simultaneous publication to any other forum. They may consider any aspect of functional programming: theoretical, implementation-oriented, or more experience oriented. Applications of functional programming techniques to other languages are also within the scope of the symposium.

Articles on the following subject areas are particularly welcome:

- Dependently typed functional programming
- Validation and verification of functional programs
- Debugging for functional languages
- Functional programming in different application areas: security, mobility, telecommunications applications, embedded systems, global computing, grids, etc.
- Functional languages for reasoning about imperative/object-oriented programs
- Interoperability with imperative programming languages
- Novel memory management techniques
- Program transformation techniques
- Empirical performance studies
- Abstract/virtual machines and compilers for functional languages
- New implementation strategies
- Any new emerging trend in the functional programming area.

If you are in doubt on whether your article is within the scope of TFP, please contact the TFP 2011 program chair, Ricardo Peña, at tfp2011@easychair.org

Best Student Paper Award

TFP traditionally pays special attention to research students, acknowledging that students are almost by definition part of new subject trends. A student paper is one for which the authors state that the paper is mainly the work of students, the students are listed as first authors, and a student would present the paper. A prize for the best student paper is awarded each year.

Submission and Draft Proceedings

Acceptance of articles for presentation at the symposium is based on a lightweight peer review process of extended abstracts (6 to 10 pages in length) or full papers (16 pages). Accepted abstracts are to be completed to full papers before the symposium for publication in the draft proceedings.

The submission must clearly indicate which category it belongs to: research, position, project, evaluation, or overview paper. It should also indicate whether the main author or authors are research students. Formatting details can be found at the TFP 2011 website. Submission procedures will be posted on the TFP 2011 website as the submission deadline is approaching.

Important dates (2011)

Full papers/extended abstracts submission:	April 2nd
Notification of acceptance for presentation:	April 15th
Early registration deadline:	April 25th
Camera ready for draft proceeding:	April 30th

The papers of the local proceedings will also be made available online under some copyright conditions, with which all authors are asked to agree (see <http://dalila.sip.ucm.es/tfp11/>).



 TFP 2011

<http://dalila.sip.ucm.es/tfp11>

Post-symposium Refereeing and Publication

In addition to the symposium draft proceedings, we will continue the last year decision of publishing a high-quality subset of contributions in the **Springer Lecture Notes in Computer Science series** (previous editions were published by Intellect). All TFP authors will be invited to submit revised papers after the symposium. These will be refereed using normal conference standards and a subset of the submitted papers, over all categories, will be selected for publication. Papers will be judged on their contribution to the research area with appropriate criteria applied to each category of paper.

Student papers will be given extra feedback by the Program Committee in order to assist those unfamiliar with the publication process.

Important dates (2011)

TFP 2011 Symposium:	May 16-18th
Student papers feedback:	June 6th
Submission for formal review:	June 24th
Notification of acceptance for LNCS:	September 2nd
Camera ready paper:	September 23rd

Invited Speaker

An invited talk will be given by **Neil Mitchell**, who finished his PhD thesis on *Transformation and Analysis of Functional Programs* at the University of York, England, and is currently working for the Standard Chartered Bank. The title of the talk is *Finding functions from types*, and will be about the Hoogle tool.

<http://haskell.org/hoogle>
<http://community.haskell.org/~ndm/>

TFP 2011 Organization

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Steering Committee Treasurer:

Hans-Wolfgang Loidl, Heriot-Watt University, UK

Symposium Organization Chair:

Ricardo Peña, Complutense University of Madrid, ES

Sponsors

- Computer Science Faculty, Complutense University of Madrid .
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