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Trends in Functional Programming

12th International Symposium, TFP 2011
Madrid, Spain, May 16-18, 2011
Revised Selected Papers

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Preface

The 12th International Symposium on Trends in Functional Programming (TFP) was held in Madrid, Spain, during May 16–18, 2011. It was hosted by the Computer Science Faculty of the Universidad Complutense de Madrid. In this edition, TFP was co-located with the Second International Workshop on Foundational and Practical Aspects of Resource Analysis (FOPARA 2011).

The TFP symposium is an international forum for researchers with interest in all aspects of functional programming, taking a broad view of current and future trends in the area of functional programming. It aspires to be a lively environment for presenting the latest research results, and other contributions, described in draft papers submitted prior to the symposium. A formal post-symposium refereeing process then selects a high-quality set of articles between those presented at the symposium and submitted for formal publication. This year, 21 papers were submitted and 12 of them were accepted by the Program Committee. These are the ones included in this volume.

The TFP symposium is the heir of the successful series of Scottish Functional Programming Workshops. Previous TFP symposia were held in Edinburgh (UK) 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.

TFP pays special attention to PhD students—acknowledging their role in developing new trends—reflected in several ways. In the first place, there is a *student paper* category to identify works that are mainly produced by students. These works receive an extra round of feedback by the Program Committee before they are submitted to the standard review process for formal publication. In this way, students can upgrade their papers before they are put to compete with more ‘professional’ ones. Also, every year there is a *best student paper award* to acknowledge the best work done by PhD students. This year, the award went to Laurence E. Day and his supervisor Graham Hutton for their paper “Towards Modular Compilers for Effects.”

We thank all the speakers, the authors, the rest of the participants, the Program Committee, and the TFP Steering Committee for contributing to the success of TFP 2011. We also acknowledge the generous funding and support of our sponsors the Spanish *Ministry of Science and Innovation*, the *Computer Science Faculty* of the Universidad Complutense, and the *Fundación General de la Universidad Complutense*.

March 2012

Ricardo Peña
Rex Page

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