The workshop aims at providing an informal meeting for researchers working on logic-based tools for development and analysis of programs. In addition to papers describing more conceptual work on environmental tools, we solicit papers describing the implementation of and experimentation with such tools.

We hope to attain the same friendly atmosphere as in past workshops, which enabled fruitful exchanges leading to joint research and subsequent publications.

Areas particularly relevant to the workshop include:

* static and dynamic analysis
* debugging and testing
* program verification and validation
* code generation from specifications
* termination and non-termination analysis
* reasoning on occurs-check freeness and determinacy
* frameworks and resources for sharing in the logic programming commun
* profiling and performance analysis
* type- and mode analysis
* shape, point-to and escape analysis
* module systems
* optimization tools
* program understanding
* refactoring
* logical meta-languages

Note that this list is not exhaustive and, if you are interested in taking part in the workshop but unsure if your work falls within its scope, do contact the organisers who will be happy to advise.


This year WLPE will be coordinated with CICLOPS. In particular, there will be two special events organised: (a) SWI-25, a celebration and retrospective of the open source SWI-Prolog engine on the occasion of its 25th birthday, and (b) OpenPL, an event on (1) coordinating efforts towards furthering cross-engine compatibility, with a focus on libraries and add-on packages, and (2) the creation of a user-contributing repository of Prolog code.
Submission guidelines
---------------------

We encourage the submission of original research in the area as well as relevant results that have been submitted, rejected, or accepted elsewhere as long as they are relevant for the WLPE community.

All papers must be written in English and should not exceed 15 pages. We welcome also shorter submissions, e.g., extended abstracts and short papers, of at least 3 pages.

Papers should be submitted electronically via the submission page:

https://www.easychair.org/conferences/?conf=wlpe2012

An informal proceedings will be distributed electronically at the workshop. After the workshop, the proceedings will be publicly available on-line in the Computing Research Repository (CoRR).

Important dates
-----------------

Submission:   June 20, 2012
Notification: July 16, 2012
Camera-ready: July 27, 2012
Workshop:     September 8, 2012

Workshop organizers
-------------------

Win Vanhoof
Faculty of Computer Science
University of Namur
Namur, Belgium
Email: wlpe2012@dsic.upv.es

Alicia Villanueva
Department of Computer Science (DSIC)
Universitat Politècnica de València
Valencia, Spain
Email: wlpe2012@dsic.upv.es

Program committee
------------------

Salvador Abreu  Universidade de Évora, Portugal
Petra Hofstedt  University of Technology Berlin, Germany
Jacob Howe  City University London, UK
Yoshitaka Kameya  Tokyo Institute of Technology, Japan
Roland Kaminski  Universität Postdam, Germany
Lunjin Lu  Oakland University, USA
Alexander Serebrenik  Eindhoven University of Technology, The Netherlands
Peter Schneider-Kamp  University of Southern Denmark, Denmark
Zoltan Somogyi  University of Melbourne, Australia
Win Vanhoof  University of Namur, Belgium
Alicia Villanueva  Universitat Politècnica de València, Spain
Damiano Zanardini  Universidad Politécnica de Madrid, Spain