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Call for Papers

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ACM Dynamic Language Symposium '05

Abstract

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In industry, static languages (such as Java, C++ and C#) are much more widely used than their dynamic counterparts (like Scheme, CLOS, Python, Self, Perl, php or Smalltalk). So it appears as though dynamic language concepts were forgotten and lost the race.

But this is not the case.

Java and C#, the latest mainstream static languages, popularized to a certain extent dynamic language features such as garbage collection, portability and (limited forms of) reflection. In the near future, we expect this dynamicity to increase even further. E.g., it is getting clearer year after year that pervasive computing is becoming the rule and that concepts such as meta programming, reflection, mobility, dynamic reconfigurability and distribution are becoming increasingly popular. All of these features are the domain of dynamic languages, and hence it is only logical that more dynamic language concepts have to be taken up by static languages, or that dynamic languages can make a breakthrough.

Currently, the dynamic language community is fragmented, split over a multitude of paradigms (from functional over logic to object-oriented), languages and syntaxes. This fragmentation severely hinders research as well as acceptance, and results in either language wars or, even worse, language ignorance. The goal of this symposium is to provide a highly visible, international forum for researchers working on dynamic features and languages. We explicitly invite submissions from all kinds of paradigms (object-oriented, functional, logic, ...), as can be seen from the structure of the program committee.

DLS'05 invites the submission of technical papers presenting research results or experience in all areas related to dynamic languages or dynamic language concepts. Research papers should describe work that advances the current state of the art. Experience reports should be of broad interest and should describe insights gained from the practical application of dynamic languages that are of use to other researchers and practitioners. The program committee will evaluate each contributed research and experience paper based on its relevance, significance, clarity, originality, and correctness.

Areas of interests include, but are not limited to:

- closures
- delegation
- actors, active objects
- constraint systems
- mixins and traits
- reflection and meta-programming
- aspect-oriented programming in dynamic environments
- language symbiosis and multi-paradigm languages
- experience reports on successful application of dynamic languages

Papers will be published in the ACM Digital Library.

Submission Guidelines

Papers have to be submitted through our online submission system: http://decomp.ulb.ac.be:8008/servlets/continue/submit.ss

All papers must be submitted electronically in PDF format (or PostScript, if you do not have access to PDF-producing programs, but this is not recommended). Submissions,

as well as final versions, must be formatted to conform to ACM Proceedings requirements: Nine point font on ten point baseline, two columns per page, each column 3.33 inches wide by 9 inches tall, with a column gutter of 0.33 inches, etc. See the ACM Proceedings Guidelines. You can save preparation time by using one of the templates from that page. Note that MS Word documents must be converted to PDF before being submitted. Page limit is 16 pages in the style mentioned above.

- Firm deadline for receipt of submissions: July 3rd, 2005 (extended from June 24th)
- Notification of acceptance or rejection: August 5th 2005
- Final version for the proceedings: To be decided

Please notice that only original papers are accepted that have not been published and are not under review for publication elsewhere. Papers violating this rule will be rejected without review, and the other forum will be informed of the situation.

Program Committee

Can be found on the Program Committee pages