

PLAN-X: Programming Language Technologies for XML

Thursday, 3 October 2002, Pittsburgh, PA
(A workshop co-located with PLI/ICFP/PPDP/GCSE-SAIG)

Call for Papers

XML has emerged as the de facto standard for data interchange on the web. The use of XML as a common format for representation, interchange, and transformation of data poses new challenges to programming languages, applications, and database systems. During the last few years, the database research community has devoted a lot of attention to XML's data representation challenges, as evidenced by the number of XML-related publications in premier database conferences and journals.

In contrast, the attention devoted to XML by the programming language research community has been minimal. This is unfortunate, since the robustness of current and future programming standards and tools for XML will depend on the strength of their foundations in core programming technologies e.g., XML parsing (parsing theory and incremental parsing), XML schemas (type systems), XPATH expressions and XSLT programs (pattern-matching languages and their optimization), XSLT debuggers (dynamic program analysis and slicing). Since XML is a new domain, core programming technologies devel-

oped in past research cannot be used unchanged; instead, novel research is required to address the unique challenges posed by XML and its use in web applications and standalone applications.

This workshop aims to bring together researchers from the programming languages and XML communities,

- to foster novel research to address unique challenges being posed by XML on current and future programming technologies;
- to exchange information on early research experiences with XML-related programming systems, tools, and languages; and
- to expose the PLI community to XML technologies and the potential impact of these technologies on future software.

There will be no formal proceedings. An informal proceedings will be distributed at the workshop. Details on submission are at the URL below.

Important Dates:

(Note: Deadline has changed!)
Paper submission deadline: 31 May 2002
Notification of acceptance: 31 July 2002
Final papers due: 4 September 2002

General Chair:

Vivek Sarkar (IBM)

Invited Speaker:

James Clark

Program Committee:

Allen Brown (Microsoft)
Peter Buneman (Edinburgh)
Sophie Cluet (Xyleme / INRIA)
Mary Fernandez (AT&T Labs)
Shriram Krishnamurthi (Brown U)
Makoto Murata (IBM Japan)
Benjamin Pierce (U Penn), **co-chair**
Michael Schwartzbach (Aarhus)
Dan Suciu (U Washington)
Philip Wadler (Avaya Labs), **co-chair**

<http://www.research.avayalabs.com/user/wadler/planx>