Scope

Formal techniques can help analyze programs, precisely describe program behavior, and verify program properties. Newer languages such as Java and C# provide good platforms to bridge the gap between formal techniques and practical program development, because of their reasonably clear semantics and standardized libraries. Moreover, these languages are interesting targets for formal techniques, because the novel paradigm for program deployment introduced with Java, with its improved portability and mobility, opens up new possibilities for abuse and causes concern about security.

Work on formal techniques and tools for programs and work on the formal underpinnings of programming languages themselves naturally complement each other. This workshop aims to bring together people working in both these fields, on topics such as:

- specification techniques and interface specification languages,
- specification of software components and library packages,
- automated checking and verification of program properties,
- verification logics,
- language semantics,
- program analysis,
- type systems,
- security.

Contributions

Contributions are sought on open questions, new developments, or interesting new applications of formal techniques in the context of Java or similar languages, such as C#. Contributions should not merely present completely finished work, but also raise challenging open problems or propose speculative new approaches. We particularly welcome contributions that simply suggest good topics for discussion at the workshop, or raise issues that you feel deserve the attention of the research community.

Submissions must be in English and are limited to 10 pages using LNCS style (excluding bibliography). Papers must be submitted electronically.

Publication

An informal proceedings will be made available to workshop participants. Papers will also be available from the workshop web page. We intend to invite selected papers for a special journal issue as a follow-up to the workshop, as has been done for some previous FTfJP workshops.