International Conference on Software Language Engineering (SLE)

http://www.sleconf.org/2014   September 15-16, 2014

Co-located with ASE and GPCE in Västerås, Sweden.

Scope:

Software Language Engineering (SLE) is the application of systematic, disciplined, and measurable approaches to the development, use, deployment, and maintenance of software languages. The term "software language" is used broadly, and includes: general-purpose programming languages; domain-specific languages (e.g. BPMN, Simulink, Modelica); modelling and metamodeling languages (e.g. SysML and UML); data models and ontologies (e.g. XML-based and OWL-based languages and vocabularies).

Topics of Interest:

Topics include, but are not limited to, the following:

- Tools and methods for software language design and extension (incl. metalanguages, metatools, language workbenches)
- Generative approaches, transformation and transformation languages, code generation
- Techniques for analysing software language descriptions
- Techniques for software language reuse, evolution and managing variation (syntactic/semantic) within language families
- Integration and coordination of software languages and tools
- Engineering Domain Specific Languages (for modeling, simulating, generation, description, checking)
- Novel applications and/or empirical studies on any aspect of SLE (development, use, deployment, and maintenance of software languages)
- Cross-fertilization of different technological spaces (e.g. modelware, grammarware)

Important Dates:

- **23 May 2014** Abstract submission
- **30 May 2014** Paper submission
- 1 July 2014 Author notification
- 14 July 2014 Camera ready

Types of Submissions (LNCS Format):

Research papers: Should report a substantial research contribution to SLE or successful application of SLE techniques or both. 20 page limit.

Tool papers: Should report software tools related to the field of SLE. Selection criteria include originality of the tool, its innovative aspects, and relevance to SLE. Papers should include an appendix outlining the proposed demonstration, including screenshots and a video may be accompanied too. 10 page limit.

Industrial position papers: Should discuss practical applications of SLE technology with an emphasis on the advantages and disadvantages of the method, techniques, or tools used. 10 page limit.

Bridging position papers: Should discuss bridging ideas from the different areas of SLE (e.g. modelling, PL, grammars). Includes both foundational ideas and/or practical techniques. 4 page limit.

Organization Committee:

General Chair: Jurgen J. Vinju, CWI & INRIA, The Netherlands
Program Co-Chairs: (pcchairs@sleconf.org)
- Benoit Combemale, University of Rennes and INRIA, France
- David Pearce, Victoria University of Wellington, New Zealand

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