



PLEASE2013

4th International Workshop on Product Line Approaches in Software Engineering, San Francisco, California
held in conjunction with the 35th International Conference on Software Engineering (ICSE 2013)

PLEASE 2013 - Call for Papers

<http://please2013.haifa.il.ibm.com>

Numerous companies develop and maintain families of related software products. These products share a common set of features and a defined set of variations on those features that satisfy the specific needs of a particular market segment and are often referred to as software product lines.

Software Product Line Engineering (SPLE) practices promote systematic software reuse by identifying and managing commonalities and variabilities across the whole product portfolio. By adopting SPLE practices organizations are able to achieve significant improvement in time-to-market and quality, reduce engineering and maintenance costs, portfolio size, and more. However, despite the proven benefits of SPLE, it is still in the early adopter stage. Impediments to SPLE adoption vary from organizational, governmental, and process issues to issues related to engineering tools, design and testing methodologies, and others.

To promote SPLE adoption in practice, the workshop aims to identify real-life industrial problems in the area of SPLE and establish on-going interactions among software engineering practitioners and researchers from industry and academia. Our goal is to the identified problems with concrete solutions developed by the SPLE community.

Submissions

We invite short papers (2-4 pages) that present either a concrete and well-illustrated description of a realistic problem related to SPLE, or a concrete and exemplified solution developed by the SPLE community. We explicitly encourage submissions that report on on-going collaborations, which have been initiated or influenced by earlier PLEASE workshops. This potentially includes problems and solutions that have been published earlier, if they support the workshop objectives and answer the questions provided below.

For “problems”:

- What is the problem/challenge that you are trying to solve?
- Demonstrate it on a concrete example.
- When would you consider the challenge resolved?
- How could the success be evaluated? Is there some key indicator which allows to assess the success?

For solutions:

- What is the problem/challenge that you solve?
- Demonstrate the solution on a concrete example.
- What are the solution’s benefits and limitations?
- Who could benefit from your approach?
- Was your approach evaluated? How?
- Is your approach based on a certain technology or scientific concept (e.g., model checking)? Please provide references.

Topics of interest include, but are not limited to:

- Transforming software families into product lines; migration strategies towards product lines; extracting product line representations from legacy software artifacts.
- Sustainable long-term approaches for product lines; product line evolution and software configuration management.

- Non-functional properties and quality attributes in product line engineering.
- SPLE for very large, complex systems and system-of-systems; Multi product lines; product lines of product lines.
- Software ecosystems and supply chains based on product lines.
- Intra-organizational approaches, practices, stimuli and measures of product portfolio development.
- Incremental and distributed development of product lines.
- Validation of product lines.

Submissions should conform to the ICSE 2013 Guidelines available at <http://2013.icse-conferences.org/content/submission-guidelines> and be in English. Papers should be submitted electronically at <http://www.easychair.org/conferences/?conf=please2013>.

Submissions will be selected based on their relevance to the workshop topics and objectives. Accepted papers will be published in the ICSE 2013 electronic proceedings collection (handed out to participants at the conference) and on the workshop website (to allow preparation for the workshop). At least one author of each accepted paper is required to register and present the work at the workshop for the paper to be included in the workshop proceedings.

Important Dates

Submission: February 7, 2013
Notification: February 28, 2013
Camera-ready: March 7, 2013
Workshop: May 20, 2013

Organization

Program Committee

- Eduardo Almeida, *Federal U da Bahia, Salvador, Brazil*
- Martin Becker, *Fraunhofer, Germany*
- David Benavides, *U of Seville, Spain*
- Danilo Beuche, *pure-systems, Germany*
- Christoph Elsner, *Siemens, Germany*
- Paul Grünbacher, *JKU Linz, Austria*
- Øystein Haugen, *SINTEF and U of Oslo, Norway*
- Patrick Heymans, *U of Namur (FUNDP), Belgium*
- Kyo-Chul Kang, *POSTECH, South Korea*
- Steve Livengood, *Samsung Information Systems America, USA*
- Jeffrey Poulin, *Lockheed Martin, USA*
- S. Ramesh, *General Motors R&D, USA*
- Andreas Rummeler, *SAP Research, Germany*
- Ina Schaefer, *TU Braunschweig, Germany*
- Klaus Schmid, *U of Hildesheim, Germany*
- Tim Trew, *NDS, UK*
- Markus Voelter, *independent / itemis, Germany*

... and the workshop organizers

Workshop organizers

- Julia Rubin, *IBM Research - Haifa, Israel*
- Goetz Botterweck, *Lero, Ireland*
- Andreas Pleuss, *Lero, Ireland*
- David M. Weiss, *Iowa State U, USA*