

# PLEES

## Call for Papers

### International Workshop on Product Line Engineering - The Early Steps: Planning, Modeling, and Managing

<http://www.plees.info>

November 5, 2002, Seattle, Washington/USA

In conjunction with



<http://www.oopsla.org>

Product Line (PL) Engineering has become a major topic in industrial software engineering. While traditional software engineering approaches aim at the development of individual systems, product line development focuses on the development of complete system families by exploiting the family members' commonalities and by controlling their variabilities. PL has been reported to provide huge time-to-market, cost, and quality benefits. In practice, PL development is often based on component technologies.

While the focus until now has been mostly on the down-stream, implementation-related activities such as architecting or component technologies, it is now time to shift the focus towards the question: what does it need to successfully bring these technologies into an organization. This raises organizational issues, issues of PL planning, as well as issues concerning requirements modeling and management in the context of product lines. These more up-stream activities have not yet seen as much attention. In this workshop we focus on these early steps in PL engineering in particular.

#### Workshop Chairs:

- Klaus Schmid, FhGIESE, Germany
- Birgit Geppert, Avaya Labs, USA

#### Program Committee:

- Colin Atkinson, Independent Consultant, Germany
- Günter Böckle, Siemens, Germany
- Jan Bosch, University of Groningen, The Netherlands
- Paul Clements, SEI, USA
- John Favaro, Consulenza Informatica, Italy
- Birgit Geppert, Avaya Labs, USA
- Rick Kazman, SEI, USA
- Frank van der Linden, Philips, The Netherlands
- Klaus Schmid, FhGIESE, Germany
- Douglas C. Schmidt, University of California, Irvine, USA
- Johannes Siedersleben, sd&m AG, Germany
- Kevin Sullivan, University of Virginia, USA
- Juha-Pekka Tolvanen, MetaCase Consulting, Finland
- David Weiss, Avaya Labs, USA

#### Important Dates:

- Submission deadline: Sept. 19, 2002
- Notif. of acceptance: Oct. 10, 2002
- Camera ready version: Oct. 22, 2002
- Workshop: Nov. 5, 2002

The goal of this workshop is to bring together **practitioners** and **researchers** from the field to foster a strong exchange of ideas and experiences. **Topics of interest** include but are not restricted to:

- How must an organization be structured to support product line and component-based engineering?
- How can product line development be integrated in a development organization that previously performed stovepipe development?
- How to determine the best starting point in terms of functionality or organizational unit?
- How do we scope product line and component based development in order to maximize its pay-off?
- How do we motivate people for these approaches?
- How can we cope with the various needs to adapting and evolving product lines like changing customer requirements (from individual customers or market needs) or environment changes (technological progress, legal constraints)?
- How can we introduce a product line incrementally? What ordering of steps should be respected? What are dependencies among technologies?
- How do we support the efficient elicitation of product line information?
- How can we model the product line requirements in a way that also supports their efficient instantiation?
- How do we plan for product line development, i.e., how do we manage the multi-project (and thus multi-customer) coordination problems?
- How do we manage the common components so that they are optimally used and reused during further development?

#### Paper Submission:

To participate, authors should send papers relevant to one or more of the topics by email to the following address:

[plees@iese.fhg.de](mailto:plees@iese.fhg.de)

Submissions will be evaluated according to the relevance and originality of the work and their ability to generate discussion among the workshop participants. Papers should be no longer than 6 pages (single-column, 11pt) and submitted as PDF-file.