

# PLEES 01

In conjunction with:

NET.OBJECTDAYS 2001

## Call for Papers

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

September 13, 2001, Erfurt / Germany

<http://www.iese.fhg.de/plees01.html>

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.

The technical foundation for family-based development techniques has been studied for quite some time now. The focus until now has been on the down-stream, implementation-related activities such as architecting or flexible implementation technologies. However, in order to be successful these implementation activities need to be performed in an organizational and technical framework that is appropriately prepared to support them. 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  
Fraunhofer IESE, Germany
- Birgit Geppert  
Avaya Labs, USA

#### Program Committee:

Mark Ardis, USA  
Günter Böckle, Germany  
Jan Bosch, The Netherlands  
Krzysztof Czarnecki, Germany  
Paul Clements, USA  
Jim Coplien, USA  
Ulrich Eisenecker, Germany  
John Favaro, Italy  
Cristina Gacek, United Kingdom  
Birgit Geppert, USA  
Peter Knauber, Germany  
Henk Obbink, The Netherlands  
David Parnas, Canada  
Klaus Pohl, Germany  
Klaus Schmid, Germany  
Juha-Pekka Tolvanen, Finland

#### Important Dates:

- Submission deadline:  
August 2, 2001
- Notification of acceptance:  
August 17, 2001
- Camera ready version:  
August 28, 2001

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 engineering? How does this differ from conventional organizations?
- How can product line development be integrated in a running organization that previously performed stovepipe development? How do we motivate people? How do we select functionality areas to start with migrating to PL development?
- How do we plan for product line development, i.e., how do we manage the multi-project (and thus multi-customer) coordination problems?
- How can we introduce a product line incrementally? What ordering of steps should be respected? What are dependencies among technologies? How to determine the best starting point in terms of functionality or organizational unit?
- How can planning for product lines be integrated into a company's portfolio planning process?
- How do we manage the refinement of a family into subfamilies?
- How can we model the product line requirements in a way that also supports their efficient instantiation?
- 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 do we scope product line development in order to maximize its pay-off?
- How do we identify the assets that, if developed in a reusable manner, support the organizational goals the best?
- How do we identify and address product line specific risks (i.e., risks that are typical for reuse and other long-term projects)?
- How do we support the efficient elicitation of product line information?

In particular, we encourage submissions reporting on industrial experiences related to the workshop topics

#### Paper Submission:

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

[plees01@iese.fhg.de](mailto:plees01@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 4 pages (single-column, 11pt) and submitted as PDF-file.