Quantitative Methods in Software Product Line Engineering (QMSPLE 2011)

http://users.dsic.upv.es/workshops/qmsple2011

Workshop in conjunction with the
15th International Software Product Line Conference (SPLC 2011)
Munich, Germany, August 26, 2011

CALL FOR PAPERS

Software product line practices have been extensively applied in industry for improving software productivity, quality and cycle time. Many of the benefits expected from these practices are based on the assumption that the investment in setting up a Software Product Line (SPL) pays off later when products are created. However, in order to take advantage of this assumption, organizations need to optimize the development of core assets and products that bring the maximum business value.

The objective of this workshop is to bring together researchers and practitioners to report and discuss the challenges and opportunities for integrating quantitative methods in product line engineering with the objective of achieving both technical and business goals. In particular, we are seeking contributions that, on the one hand, deal with product line estimation and metrics for the effective management of product line projects; and on the other hand, provide some insight into new trends in value-based product line engineering. More information on the Workshop can be found at http:/ users.dsic.upv.es/workshops/qmsple2011.

TOPICS OF INTEREST

The topics of the workshop will include, but will not be limited to:

- Estimation in Software Product Lines
  - Cost models for software product lines
  - Risk and economic value assessment in software product lines
  - Models for cost-benefit analysis
  - Models for aligning technical needs and business benefits
  - Models for product line payoff prediction
- Metrics for Software Product Lines
  - Quality factors, criteria, metrics, patterns, and recommendations
  - Integration of quality assessment activities in SPL processes
  - Theoretical/empirical validation of quality metrics for SPL
  - Comparative analysis of quality metrics
  - Tools for automatic quality assessment
- Value-based Product Line Engineering
  - Value-based monitoring and control
  - Value-based risk assessment and prioritization
  - Value-based quality management
- Goal-driven Product Line Measurement
- Measurement and decision making in product line engineering
- Empirical studies in product line engineering
- Industrial case studies

PUBLICATION

Accepted papers will be published in the SPLC proceedings (second volume). Paper length is 8 pages for Full Papers and 4 pages for Position Papers. For formatting guidelines and submission instructions see the Workshop Website.

IMPORTANT DATES

May 27, 2011	**Paper Submission**
June 17, 2011	Author Notification
June 30, 2011	Camera-ready Papers
August 26, 2011	Workshop

WORKSHOP ORGANISERS

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