

Palladio Days 2011

Developer and User Meeting

17 – 18 November 2011

FZI Forschungszentrum Informatik, Karlsruhe, Germany

<http://www.palladio-days.org>

CALL FOR PARTICIPATION

The prediction of software quality (e.g., performance, reliability, and maintainability) based on software architectures is useful in many software development scenarios, such as support for design decisions, resource dimensioning or scalability analysis.

The open source tool Palladio can be seen as a “software architecture simulator”. Palladio includes a metamodel for specifying software architectures (Palladio Component Model, PCM), a simulator (SimuCom), and a set of analytical solvers to gather simulation data on different software quality attributes. By its flexible design, extensive documentation, and high number of industrial case studies, Palladio is a mature platform to be utilised by other developers and scientists to explore further possibilities of modelling and simulating architectures. There are several dimensions of building on Palladio: extending Palladio for specific application domains, such as embedded systems, adding analyses for additional quality metrics (such as maintainability) or using Palladio for non-software architectures (e.g., production plants or logistics).

Therefore, the Palladio Days 2011 have the goal to bring together practitioners using Palladio and researchers who intend to work on Palladio as well as those who drive the Palladio project.

The focus topic of this year’s Palladio Days is *Performance Prediction of Software on Virtualised Resources*.

We seek submissions presenting plans or results on:

Experience with Palladio

- case studies
- industrial applications
- etc.

Virtualisation

- OS/system virtualisation
- storage virtualisation
- etc.

Novel modelling concepts

- modelling embedded systems
- modelling parallelism
- etc.

PCM@Runtime

- trade-offs simulation/analysis
- runtime variability of models
- etc.

Submissions should not exceed eight pages and follow the IEEE double column format. For submissions please use the EasyChair system (see Palladio Days homepage). Accepted papers will be published with an ISBN in the Palladio Proceedings Series.

Participants are encouraged to submit proposals for live demos and tutorials of tools and approaches related to Palladio.

Important Dates:

4 October 2011	Paper Submission
28 October 2011	Author Notification
11 November 2011	Camera-Ready Version



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