Palladio Days 2012

Developer and User Meeting

8.-9. November 2012
Heinz Nixdorf Institute, Zukunftsmeile 1, Paderborn, Germany
http://www.palladio-days.org

CALL FOR PAPERS

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 measurement framework (EDP2) to gather simulation data on software performance, resource utilisation and reliability. By its flexible design, extensive documentation, and high number of industrial case studies, Palladio is the ideal 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 2012 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 or who would like to learn about Palladio and its latest improvements.

Specific topics of this year's Palladio Days is performance prediction of software in dynamic (on-the-fly) contexts. In general, we seek reports on applications and extensions of Palladio in academic or scientific contexts. Submissions are thought for (but are not limited to) plans or results on:

Experience with Palladio
- case studies
- industrial applications
- etc.

Dynamic Environments
- virtualisation
- dynamic infrastructures
- 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 ISSN in the Palladio Proceedings Series.

Participants are encouraged to submit proposals (up to 4 pages) for live demos and tutorials of tools and approaches related to Palladio.

Important Dates:

28. September 2012	Paper Submission
15. October 2012	Author Notification
01. November 2012	Camera-Ready Version

Karlsruhe Institute of Technology

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