



Palladio Days 2010



International Conference on Architecture-based Software Quality Prediction

25-26 November 2010, Karlsruhe, Germany

Karlsruhe Institute of Technology (KIT), Forschungszentrum Informatik (FZI)

<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 an "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 researchers 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 International Conference on Architecture-based Software Quality Prediction (Palladio 2010) has 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.

We invite papers presenting plans or results on:

Experience with Palladio

- case studies
- industrial applications
- etc.

Novel modelling concepts on Palladio

- modelling embedded systems
- modelling parallelism
- etc.

Application of Palladio in non-software domains

- logistics
- production plant modelling
- etc.

Palladio in the software development process

- agile modelling of architectures
- SCRUM with architectural modelling
- 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.

Dates:

Paper submission	20	September	2010
Author notification	18	October	2010
Camera-ready version	11	November	2010

The venue will be the Forschungszentrum Informatik (FZI) Karlsruhe, one of Germany's leading institutions for transferring research into industrial practice. Live demos of Palladio and tutorials accompany the conference.



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