

Newsletter edacentrum Probeauszug

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Nachrichten von den Projekten

Letzte Meldungen, vorwiegend mit Bezug auf die DATE



PRODUKTIV+ presents a "HOT TOPIC" session @ DATE08

The project PRODUKTIV+ is going to present recent results as a DATE08 HOT TOPIC in Session 7.7. It is entitled „Quantitative Productivity Measurement in IC Design“. This session takes place on Wednesday, 03/12/2008, 16:30–18.00 in Room 12.

The key topic of PRODUKTIV+ is: “You can’t improve what you can’t measure“. That means, prior to being able to improve design productivity you have to make it measurable. Therefore, the influence of all contributing factors to the resulting productivity needs to be understood and quantified. Actual productivity has to be quantified as a solid base for project planning, project management and for improvement of develop-

ment processes. In manufacturing, frequent updates of productivity indicators are a common procedure. In R&D, measuring productivity is less straightforward. The actual value of productivity is hard to quantify and often less objective. Decisions are strongly based on experience and ‘gut feel’. Approaches to determine productivity within IC R&D are limited to post-mortem analysis and cover the important influence of EDA tools and libraries only implicitly. This Special Session presents detailed quantitative measures and methods for predictive estimation and simulation of design productivity, yielding alternative scenarios for solid project management decisions. Especially, benefits of EDA investments will be quantified for proper investments to close the well-known design gap and to safeguard jobs. The presented methods are not limited to certain design types but cover the whole spectrum of digital and mixed signal applications, including automotive, communication and microprocessor design.

Kont@kt (PRODUKTIV+):
Dr. Andreas Vörg
fon: (05 11) 7 62 – 1 96 86
voerg@edacentrum.de