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Institut für Softwaretechnik  
und Interaktive Systeme

Wissenschaftlerinnenkolleg  
Internettechnologien **WIT**

Das Wissenschaftlerinnenkolleg Internettechnologien der Fakultät für Informatik der TU Wien lädt gemeinsam mit der Österreichischen Computer Gesellschaft zu folgendem Vortrag ein:

## WIT-Kolloquium

### Model Engineering: From Principles to Platforms

#### Jean Bézivin

ATLAS Group (INRIA and LINA)  
University of Nantes, France



Wann: Dienstag, 15. März 2005  
17 :00 - 18:00 +

Wo: Technische Universität Wien  
Heinz Zemanek Hörsaal  
1040 Wien, Favoritenstr. 9-11, Erdgeschoss

#### Abstract

In November 2000 the OMG proposed a new approach to interoperability named MDA™ (Model-Driven Architecture). MDA is one example of the broader Model Driven Engineering (MDE) vision, encompassing many popular research trends like generative programming, domain specific languages (DSLs), model-integrated computing, model-driven software development, software factories, model management and much more. Considering models as first class entities and any software artefact as a model or as a model element is one of the basic principles of MDE. The original motivation for this paradigm change in software engineering was the separation of concerns, mainly between platform dependent and platform independent parts of software systems. Progressively the operation of model transformation appeared as a key technology to map neutral and relatively stable business models to rapidly evolving technological platforms but also to relate DSLs in various other ways. The present transition to model engineering will have probably a much deeper impact on software practices than the move from procedural to object technology that took place in the 80's. However this is probably a long term evolution and many questions remain open today. There is an urgent need to understand more clearly the underlying MDE principles and to experiment with the mapping of these general principles onto operational platforms. The talk will illustrate these questions with practical examples from the present state of the art.

#### Bio

Jean Bézivin is professor of Computer Science at the University of Nantes, France and a member of the ATLAS research group created in Nantes (INRIA and LINA). He has been very active in Europe in the object-oriented community, starting the ECOOP series of conferences (with P. Cointe), the TOOLS series of conferences (with B. Meyer) and more recently the <<UML>>/MoDELS series of conferences (with P.-A. Muller). He created at the University of Nantes in 1988 one of the first European Master Programs in Software Engineering, completely based on object technology. His present research interests include object-oriented analysis and design, product and process modelling, model transformation, general model management and more generally the new emerging research field of model engineering.

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#### Unterstützung

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#### Anmeldung

Wir bitten um Anmeldung unter <http://wit.tuwien.ac.at/events>

#### Hinweis

Vortrag in englischer Sprache; Teilnahme kostenlos!

Im Anschluss an den Vortrag gibt es bei einem Buffet die Gelegenheit zum informellen Meinungs austausch.

