



INVITED LECTURE

Professor Ivica Crnkovic, Chair of Software Engineering Division in the School of Innovation, Design and Engineering (IDT), Mälardalen University, Mälardalen Real-time Research Center, Sweden, is going to lecture on

A Classification Framework for Software Component Models

at the **Auditorium of the Central Library** of the Aristotle University of Thessaloniki on **Tuesday April 12th, 2011 at 12:00.**

ABSTRACT

In the last decade a large number of different software component models have been developed, with different aims and using different principles and technologies. This has resulted in a number of models which have many similarities, but also principal differences, and in many cases unclear concepts. Component-based development has not succeeded in providing standard principles, as has, for example, object-oriented development. This talk will discuss fundamental principles of component models, and will present a Component Model Classification Framework based on these principles. Further the characteristics of some component models will be presented.

I. Crnkovic, S. Sentilles, A. Vulgarakis, M. R. V. Chaudron, "A Classification Framework for Software Component Models" *IEEE Transactions on Software Engineering*, 99, 2010.

About the Speaker:

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Ivica Crnkovic is a professor of industrial software engineering at Mälardalen University where he is the administrative leader of the software engineering division and the scientific leader of the industrial software engineering research. His research interests include component-based software engineering, software architecture, software configuration management, software development environments and tools, and software engineering in general. Professor Crnkovic is the author of more than 100 refereed articles and papers on software engineering topics and a co-author and co-editor of two books: “Building reliable component-based Systems” and “Implementing and integrating Product Data Management and Software Configuration Management”. He has co-organized several conferences and workshops related to software engineering (such as CBSE symposium, ESEC/FSE conference, Euromicro SEAA conference), and participated in Program Committees of software configuration management symposia and workshops. His teaching activities cover courses in the area of Software Engineering undergraduate and graduate courses. From 1985 to 1998, Ivica Crnkovic worked at ABB, Sweden, where he was responsible for software development environments and tools. He was a project leader and manager of a group developing software configuration management systems and other software development environment tools and methods for distributed development and maintenance of real-time systems. From 1980 to 1984, he worked for the Koncar company in Zagreb, Croatia. Professor Crnkovic received an M.Sc. in electrical engineering in 1979, an M.Sc. in theoretical physics in 1984, and a Ph.D. in computer science in 1991, all from the University of Zagreb, Croatia.