

# **Report from ATIST 2 Summer School on**

Component & Modelling, Testing & Verification, and Statical Analysis of Embedded Systems

**Nässlingen, Sweden, September 29 - October 2, 2005**

## **Motivation**

This 4 days summer school is held at Nässlingen, a small and old archipelago homestead, located about 50 km north east of Stockholm. The summer school aims to provide a forum for young researchers in the fields of modelling, validation and performance analysis of embedded systems as well as industrial engineers with practical background in design and testing of embedded systems.

A number of foundational tutorials accompanied by a selection of exiting new emerging technologies were given by leading scientific experts in three domains: Modelling & Components, Testing & Verification and Compilers & Timing Analysis.

## **Highlights**

The most interesting tutorial for me is in the modeling cluster. Ileana Ober gave a tutorial about UML/UNL2.0, which presents the major features of UML, with focus on system and components modelling of structure and behaviour. However, not much about UML 2.0 was introduced due to the time restriction.

Pierre Alain Muller and Reiko Heckel presented “Foundations of Model Transformations” and “Applications of model transformations”, where the basic concepts of graph transformation was introduced by mean of an example followed by an discussion of different applications.

Other presentations are also good but out of the scope of this report. Please see <http://www.artist-embedded.org/FP6/ARTIST2Events/SummerSchools/Artist05.html> for detailed information of presented tutorials.

## **Activities**

As mentioned, Nässlingen is a small island combined old characters and modern fashion. Row-boat attracted many participators interests. Dinner on Gistholmen was full of happiness. Groups from Sweden, China, German, Italy, France and other countries sang typical songs. The Tai Ji show got many interesting feedbacks.

## **Experience Learnt:**

Check map very carefully if you take bus. The table on the bus stop at Åsättra is not complicate but easily leads you to the opposite direction. I had to walk half hour and fortunately were driven to the port by a kind lady.