1st Workshop on Software Synthesis (WSS)

Grenoble

2009

Software Code

- An increasing amount of software is not written manually any more.
- Rather, software is synthesized from abstract models of the required functionality.
- As a result, the effort of generating software is reduced and software verification typically becomes easier.
- Software synthesis has been implemented in various disperse communities.
- The workshop aims at bringing these communities together and at identifying research problems which should be addressed by the scientific community.

Organizers

- Alberto Sangiovanni-Vincentelli, UC Berkeley, US; ALES, I
- Peter Marwedel, TU Dortmund, Germany

Schedule

08:30	Peter Marwedel (TU Dortmund): Opening
08:40	Emmanuel Roy (Mathworks): Software Synthesis for Control Applications
09:20	Karl-Erik Arzén (U. Lund): On Automatic Code Generation for Control Applications
10:00	Coffee Break
11:30	Peter Marwedel (proxy for Markus Gros, dSpace): Automatic Code Generation in the Automotive Industry: Accomplishments and Challenges
10:35	Paul Caspi (IMAG): Faithful multi-task implementations of synchronous programs
11:05	Edward A. Lee (proxy for A. Sangiovanni-Vincentelli): Code generation or software synthesis? Are they the same?
11:35	Panel: What are the most urgent research issues in software synthesis
12:30	Lunch