

ETAPS DAILY

ETAPS 2014 main conferences

*After the first weekend, today the main conferences begin.
Welcome to all new delegates to the capital of the Alps!*



Grenoble's history goes back more than 2,000 years, at a time when it was a small Gallic village. While it gained in stature by becoming the capital of the Dauphiné in the 11th century, Grenoble remained for most of its history a modest parliamentary and garrison city on the borders of the kingdom of France. Grenoble grew in importance through its industrial development, the city having experienced several periods of economic

expansion in the last centuries. It started with its booming glove industry in the 18th and 19th centuries, continued with the development of a strong hydropower industry in the late 19th to early 20th centuries and ended with its post-World War II economic boom symbolized by the holding of the X Olympic Winter Games in 1968. The city is now a significant scientific center in Europe.

ISSUE 3

MONDAY, APRIL 7TH

Time Table

8⁰⁰ - 8³⁰: registration
8³⁰ - 9⁰⁰: ETAPS opening
9⁰⁰ - 10⁰⁰: CC invited talk
10⁰⁰ - 10³⁰: coffee break
10³⁰ - 12³⁰: parallel sessions
12³⁰ - 14⁰⁰: lunch
14⁰⁰ - 16⁰⁰: parallel sessions
16⁰⁰ - 16³⁰: coffee break
16³⁰ - 18⁰⁰: parallel sessions
19³⁰ - 22⁰⁰: Reception at Musée de Grenoble

Scientific Events

CC invited talk: Benoit Dupont de Dinechin (Kalray, France)
CC (Mont Blanc),
POST (Makalu),
TACAS (Amphitheater)

Social Events

Reception at Musée de Grenoble

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SCIENCES TECHNOLOGIE MEDICINE



Weather Forecast

	AM	PM	Evening
Monday			
Tuesday			
Wednesday			

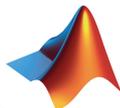
CC Invited talk (Benoit Dupont de Dinechin, Kalray, France)

Using the SSA-Form in a Code Generator

Abstract: In high-end compilers such as Open64, GCC or LLVM, the Static Single Assignment (SSA) form is a structural part of the target-independent program representation that supports most of the code optimizations. However, aggressive compilation also requires that optimizations that are more effective with the SSA form be applied to the target-specific program representations operated by the code generator, that is, the set of compiler phases after and including instruction selection. While using the SSA form in the code generator has definite advantages, the SSA form

does not apply to all the code generator program representations, and is not suited for all optimizations. We discuss some of the issues of inserting the SSA form in a code generator, specifically: what are the challenges of maintaining the SSA form on a program representation based on machine instructions; how the SSA form may be used in the if-conversion optimizations; why the SSA form does not seem to benefit instruction scheduling; and what is the state-of-the-art in SSA form destruction on machine code.

Thanks to the association supporting ETAPS and our sponsors



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Reception at Musée de Grenoble

(one of the most important french art collections outside Paris)

With its collections of ancient, modern and contemporary art, Musée de Grenoble offers you a chance to traverse the history of western painting from the 13th to the 20th centuries. Included are major masterpieces of classical Flemish, Dutch, Italian and Spanish painting; one of 20th century Europe's richest collections; and all the great post-1945 contemporary art trends, right up to the most recent artworks of the 2000s. Every year, concurrently with the permanent presentation of its collections, the museum holds two major temporary shows. Their theme is based on the museum's identity, history and collections, as well as on the desire to keep the institution open to current artistic activity.

How to go there: next to tram station "Notre Dame Musée" of B tram. See Website map.

