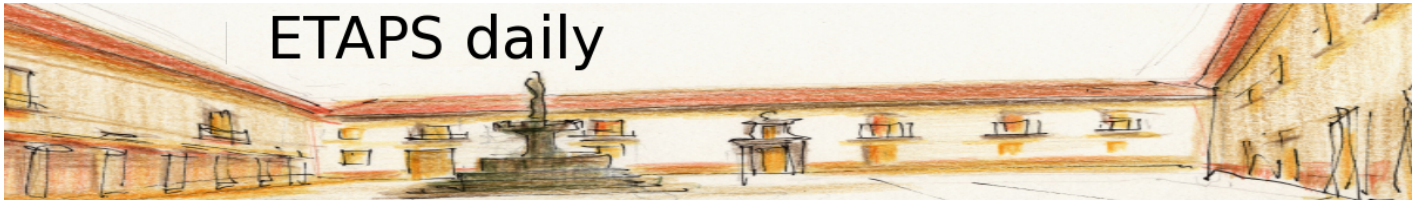


ETAPS daily



Number 2

Universidade do Minho, Braga

March 25, 2007

How to get to the University Campus at Gualtar

Satellite events on March 24 and 25 will take place at the University Campus, in the area of the city known as Gualtar. If the weather is nice, you may want to walk. It should take you about 30 minutes from the city center. Walk in the direction of Bom Jesus, through Rua de S. Vitor, Rua de D. Pedro V, and Rua Nova de Sta. Cruz.

Alternatively you can use the shuttle that will run on Saturday and Sunday. Shuttles will leave from two locations in the city center, see timetable below and map.

At the campus (see map) you should have no trouble in finding the CP2 building, where events will be located. This is the first building you will see coming from the city center.

The registration desk will be located in the entrance hall of the CP2 building. The opening hours are 8:30 - 18:00. Lunch (included in the workshops daily fees) will be served at the university restaurant (see map).

U.Minho-Gualtar



Shuttle Information

Day	Time	From	To
Sun, 25	8:15	Train Station	Univ. Campus
	8:15	H. Turismo	Univ. Campus
	8:15	Bom Jesus	Univ. Campus
	18:45	Univ. Campus	City Center
	18:45	Univ. Campus	Bom Jesus: WS Dinner
	23:00	Bom Jesus	City Center
Mon, 26	8:15	Bom Jesus	Theatro Circo
	22:00	Theatro Circo	Bom Jesus

Day Programme

Workshops

- ACCAT – Applied and Computational Category Theory
09:00-18:00, room: CP2-103
- COCV – Compiler Optimization meets Compiler Verification
09:00-18:00, room: CP2-108
- HAV – Heap Analysis and Verification
09:00-18:00, room: CP2-104
- HFL – Hardware design using Functional Languages
09:00-18:00, room: CP2-110
- LDTA – Seventh Workshop on Language Descriptions, Tools and Applications
09:00-18:00, room: CP2-111
- QAPL – Fifth Workshop on Quantitative Aspects of Programming Languages
09:00-18:00, room: CP2-105
- SC – Workshop on Software Composition
09:00-18:00, room: CP2-101
- WITS – WITS – 7th International Workshop on Issues in the Theory of Security
09:00-18:00, room: CP2-102

Social Programme

- Joint Workshops Pre-Conference Dinner at Bom Jesus (tickets required)
18:45 Shuttle departure from University Campus, Gualtar

The Bom Jesus Funicular

The Bom Jesus funicular was the first built in the Iberian Peninsula (1880-1882). It was the initiative of Manuel Joaquim Gomes (1840-1894), a businessman from Braga who commissioned the project from Niklaus Riggenbach (1817-1899), the well-known Swiss engineer and locomotive builder. The project was directed locally by Raoul Mesnier du Ponsard (1848-1914), a Portuguese engineer of French origin.



This funicular, which had a great impact at its time, is the oldest in the world powered by water ballast and still in regular service: water is loaded into the car at the top of the hill, which weights it down as it slides to the bottom, at the same time drawing the lighter, drained car up the hill, where the process starts all over again. The drained water is used for irrigation.

The funicular track is 274 meters long and descends 116 meters, giving an average gradient of around 42%. Journey time is 2.4 to 4 minutes and its capacity is 38 passengers per car. Its timetable is from 8am to 8pm, every half hour.

Challenge:

Build a model of the Bom Jesus funicular tracking system in your favorite formal notation, framework or tool and prove the following (liveness) property: “the Bom Jesus funicular will remain the most environment-friendly means of transportation in the world as long as water springs off the Bom Jesus hill top”.

Suggested Cultural Activities for March 25

If you have free time in the afternoon, why not visit the Photography Museum? On Sundays, open from 14:30 to 18:00.



Museu da Imagem
Campo das Hortas, 35-37
Tel: 253 278 633

Answer to the Quiz of Number 1

Pablo Picasso

Weather

Mostly Sunny, 17°/8° C.