

## BSC Training Course: Performance Analysis and Tools

### Objectives

The objective of this course is to learn how *Paraver* and *Dimemas* tools can be used to analyze the performance of parallel applications and to familiarize with the tools usage as well as instrumenting applications with *Extræ*.

### Requirements

**Prerequisites:**

Good knowledge of C/C++

Basic knowledge of MPI, OpenMP

**NOTE:**

MIRI students interested in obtaining the Statement of Participation will have to submit some exercises. Further information will be provided on the first course day.

### Learning Outcomes

The students who finish this course will have a basic knowledge on the usage of the BSC performance tools. They will be able to apply the same methodology to their applications, identifying potential bottlenecks and getting hints on how to improve the applications performance

Academic Staff

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**Course Convener:** Judit Gimenez, Performance Tools Group Manager, Computer Science, BSC

## Materials

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## Further information

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**Sponsor:** BSC

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