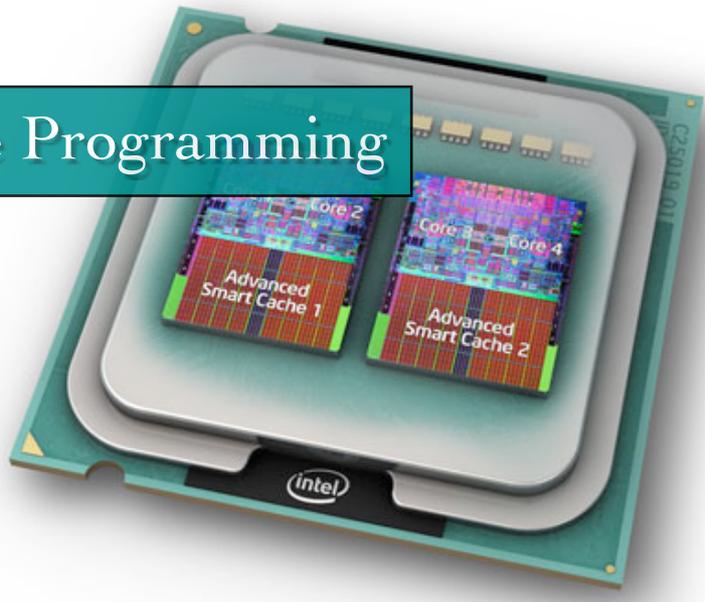# 4th Latin American SCAT Workshop
Facultad de Ciencias Físicas y Matemáticas
Universidad de Chile

Satellite School on Numerical Methods — 29 Sept. to 3 Oct. 2008

Parallel Multicore Programming

Lecturer:

Prof Sebastián González,
University of Chile

Duration

2 hours

Description

Intel has released last week *Nehalem*, an architecture that will bring multicore programing — with up to 16 cores— to the mainstream. How to use these processors to increase performance in physics simulations? This is the question that we will address in this course.

The course is divided in two parts: "Recognizing Parallelism" and "Shared Memory, Threads and OpenMP", consisting on lectures and lab sessions where physical simulations are to be analyzed.

A final session of "Bring Your Code" is also planed where participants are encouraged to parallelize their own code using OpenMP.

For more information, visit www.scat-alfa.eu

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