

Session Program

21-27 Nov 2010

**Second INFN International School on:
"Architectures, tools and methodologies for
developing efficient large scale scientific
computing applications" ESC10 - Bertinoro
(Forlì-Cesena) | 22-27 November 2010**

Session 4

Bertinoro

Thursday 25 November

08:30

Session 4

Session | **Location:** Bertinoro

08:30–09:15 **Floating point computation**

Speaker

Vincenzo Innocente

09:20–10:05 **Exercises - Optimization floating point computation in C++**

Speaker

Vincenzo Innocente

10:10–10:30 **Coffee break**

10:30–11:15 **Vectorization using SIMD (part I)**

Speaker

Vincenzo Innocente

11:15–12:00 **vectorization using SIMD (part II)**

Speaker

Vincenzo Innocente

12:05–12:50 **Exercises - Vectorization using gcc**

Speakers

Alfio Lazzaro, Vincenzo Innocente

12:50–14:20 **Lunch break**

14:30–15:15 **I/O Efficiency**

Speaker

Dr Gerhard Brandt

15:15–16:00 **Exercises - I/O Efficiency**

Speaker

Dr Gerhard Brandt

16:00–16:15 **Coffee break**

16:15–17:00 **Exercises - I/O Efficiency**

Speaker

Dr Gerhard Brandt

18:30–19:30

Evening Lecture: "Exploiting GPU's for scientific computing" (Leone Bosi, INFN Perugia)

20:00