

Session Program

20-26 Oct 2013

**Fifth INFN International School on:
"Architectures, tools and methodologies for
developing efficient large scale scientific
computing applications" ESC13 - Bertinoro
(Forlì-Cesena) Italy 20-26 October 2013**

Session 1

Bertinoro

Monday 21 October

08:30

Session 1

Session | Location: Bertinoro

08:30–09:00 **Welcome and opening remarks**

Speaker

Mauro Morandin

09:00–09:45 **Concepts of performance and efficiency**

Speaker

Dr Peter Elmer

09:50–10:35 **Modern processors and related optimisation topics - Part 1**

Speaker

Mr Sverre Jarp

10:40–11:00 **Coffee break**

11:00–11:45 **Modern processors and related optimisation topics - Part 2**

Speaker

Mr Sverre Jarp

11:50–12:35 **Introduction to Performance tuning tools**

Speaker

Dr Peter Elmer

12:40–14:10 **Lunch break**

14:15–15:00

Floating point computation: accuracy, optimization, vectorization (with exercises)

Speaker

Vincenzo Innocente

15:00–15:45

Floating point computation: accuracy, optimization, vectorization (with exercises)

Speaker

Vincenzo Innocente

15:45–16:00 **Coffee break**

16:00–16:45

Floating point computation: accuracy, optimization, vectorization (with exercises)

Speaker

Vincenzo Innocente

16:45–17:30

Floating point computation: accuracy, optimization, vectorization (with exercises)

Speaker

Vincenzo Innocente

20:00

17:30–18:30

Student lightning presentations