

**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 6: Hands on introduction to GPU  
programming with compiler directives***

Bertinoro

# Thursday 24 October

14:20

## Session 6: Hands on introduction to GPU programming with compiler directives

Session | Location: Bertinoro | Convener: Dr Tim Mattson

14:20-15:05 GPU architectures

15:15-16:00 Core design patterns for the GPU programmer

**Speaker**  
Dr Tim Mattson

16:15-16:45 Coffee break

16:45-17:30 Programming GPUs with directives: OpenACC and OpenMP 4.0

**Speaker**  
Dr Tim Mattson

18:30-19:30 Evening lecture: Exploiting vector units

**Speaker**  
Dr Tim Mattson

19:30