

Session Program

21-27 Oct 2012

**Fourth INFN International School on:
"Architectures, tools and methodologies for
developing efficient large scale scientific
computing applications" ESC12 - Bertinoro
(Forlì-Cesena) Italy 21-27 October 2012**

Session 4

Bertinoro

Thursday 25 October

08:30

Session 4

Session | Location: Bertinoro

08:30–09:15 **Parallel programming theory**

Speaker

Dr Tim Mattson

09:20–10:05 **An introduction to OpenMP**

Speaker

Dr Tim Mattson

10:10–10:30 **Coffee break**

10:30–11:00 **Synchronization in OpenMP**

Speaker

Dr Tim Mattson

11:15–12:00 **Work sharing constructs**

Speaker

Dr Tim Mattson

12:05–12:50 **The OpenMP data environment**

Speaker

Dr Tim Mattson

12:50–14:20 **Lunch break**

14:20–15:05 **OpenMP tasks**

Speaker

Dr Tim Mattson

15:05–15:50 **OpenMP Memory model**

Speaker

Dr Tim Mattson

16:00–16:15 **Coffee break**

16:15–17:00 **A survey of programming models**

Speaker

Dr Tim Mattson

17:00–17:45 **A survey of programming models**

Speaker

Dr Tim Mattson

18:30-19:30

Evening Lecture: "SEJITS: embedded specializers to turn patterns-based designs into optimized parallel code" - Timothy G. Mattson (Intel)

20:00