Session Program

21–22 Nov 2013

2nd CERN Advanced Performance Tuning workshop

Talks

CERN, 593/R-011

Thursday 21 November

09:00

Talks
Session | **Location:** CERN, 593/R-011

09:00–09:30 **Introduction**

Speaker
Andrzej Nowak

09:30–10:15 **Physics Software and Tuning Challenges + Discussion**

Speaker
Vincenzo Innocente

10:15

10:45

Talks
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10:45–11:15 **An update on perf_events**

Speaker
Stephane Eranian

11:15–11:25 **Improving perf_events measurement correctness**

Speaker
Maria Dimakopoulou

11:25–11:55 **RAS and memory error reporting with perf**

Speaker
Robert Richter

11:55–12:10 **AMD IBS and northbridge counters in perf**

Speaker
Robert Richter

12:10

14:00

Talks
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14:00–14:30 **MAQAO: an analysis and optimization toolchain**

Speaker
Andres S. Charif-Rubial

14:30–14:50

Intel VTune Amplifier: A Bridge to Performance, Parallelism, and Power (introduction to hardware collection)

Speaker
Stas Bratanov

14:50–15:30 **Top Down Analysis – Never Lost With Perf Counters**

Speaker
Ahmad Yasin

15:30

Friday 22 November

08:00

Talks
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08:00–09:30 **Intel Architecture and GOODA**

Speaker
David Levinthal

09:30

10:00

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10:00–10:15 **ARM in the server space**

Speaker
Robert Richter

10:15–10:35 **Introduction to ARMv8**

Speaker
Michael Williams

10:35–10:55 **Software profiling on ARM**

Speaker
Al Grant

10:55–11:40

Utilizing Performance Bottleneck Analyzer to Debug Issues on Intel's Future SOCs

Speaker
Michael W Chynoweth

11:40