

The first European LLVM Conference 2012

Schedule - Thursday 12th April



12:00 **REGISTRATION OPENS**

12:30 13:15 **LUNCH**

Woburn Suite

Virginia Woolf

13:30 13:45 Introduction
Lee Smith - ARM

13:45 14:30 Autovectorization in LLVM
Hal Finkel - Argonne National Laboratory

14:35 15:20 Refactoring C++ with Clang
Manuel Klimek - Google

Performance BoF
Duncan Sands

15:20 16:00 **BREAK**

BREAK

16:00 16:45 MCJIT
Eli Bendersky - Intel Israel

Generating Serialisation Code with Clang
Wayne Palmer - Barclays Capital

16:50 17:35 Guaranteeing the correctness of MC for ARM
Richard Barton - ARM

Lightning Talks
Various

17:35 18:15 **FREE TIME**

18:15 19:00 **PRE-DINNER DRINKS**

19:00 **DINNER**

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Woburn Suite		Virginia Woolf
08:45	09:00	Day 2 introductory remarks
09:00	09:45	lld - The LLVM Linker <i>Michael Spencer - Sony Computer Entertainment America</i>
09:50	10:35	Reducing dynamic compilation latency – concurrent and parallel dynamic compilation <i>Igor Bohm - University of Edinburgh</i>
		Building Linux with LLVM <i>Mark Charlebois - Qualcomm</i>
10:35	11:00	BREAK
		BREAK
11:00	11:45	Turning control flow graphs into function call graphs: transformation of partitioned codes for execution in heterogeneous architectures <i>Pablo Barrio - Univ. Politécnica de Madrid</i>
		Tablegen Deep Dive <i>Reed Kotler - MIPS</i>
11:50	12:35	Improving Performance of OpenCL on CPUs <i>Ralf Karrenberg - Saarland University</i>
		<i>Potential extra BoF session, or extra lightning talks</i>
12:35	12:45	Closing remarks
12:45	13:30	LUNCH
13:30	14:30	Building a backend in 24 hours <i>Anton Korobeynikov</i>
		What LLVM can do for you <i>David Chisnall</i>
14:30	15:30	
		What LLVM can do for you (continued) <i>David Chisnall</i>
16:00		CONFERENCE CLOSED

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