



Press Release - November 4th, 2009

CAPS to announce CAL/IL and OpenCL back-end plus Windows support for its HMPP™ hybrid compiler

CAPS, the pioneer in directive-based compiler technology with its HMPP flagship workbench, is pleased to announce the release of two new AMD CAL/IL and OpenCL back-end code generators, plus support for Windows operating system, thus expanding the field for new HMPP adopters.

While CAL/IL leverages the performance of AMD Stream processors, OpenCL perfectly matches HMPP code generation. OpenCL brings a low level API that enables to fine tune the programming of parallel processors from various hardware vendors coupled to general purpose CPU processors. HMPP positions itself as a high level abstraction for manycore programming, thus removing developers need for a deep knowledge of the underlying hardware architecture.

In addition to Linux x86_64, HMPP is opening to a wider developers' community with a Windows x86_64 release running with Visual Studio.

“By complementing our existing HMPP CUDA™ compiler with two new back-ends, HMPP now fully addresses GPUs, the today's most adopted parallel compute co-processors. From the past two years, we have seen a real move of the industry toward these new technologies and CAPS is committed to provide developers with the software tools they need to enjoy the ride of manycore programming.” declares Laurent Bertaux, CAPS COO and HMPP Product Manager.

CAL/IL back-end will be available in December, OpenCL and Windows support are planned to be released Q1 2010. CAPS will be demonstrating HMPP CAL/IL at SuperComputing, Portland, Oregon, from 16th to 19th of November, booth number 1100.

About CAPS entreprise

CAPS entreprise fundamentally gives to software developers an easy access to manycore systems. Its flagship product HMPP™ (Heterogeneous Multicore Parallel Programming) indeed allows a single version of a given application to be developed, ported, maintained and deployed on several manycore systems like those integrating CPUs & GPUs. It unleashes the power of manycore architectures by providing an elegant and pragmatic solution to the porting of legacy software.

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