

CAPS announces HMPP™ New Generation

Are you ready for manycore?

Press Release

Rennes, June 24 2009 -

CAPS is proud to announce the launch of HMPP New Generation (HMPP 2.x).

HMPP 2.x is a follow-on to HMPP First Generation, rolled out last fall. It offers a host of new features and enhancements that make HMPP more robust, easy-to-use, flexible and performance-boosting than ever.

Last October, after more than 5 years of advanced research and building on customer experience feedback, CAPS released HMPP First Generation, a complete development tool suite for high performance applications.

Based on C and FORTRAN directives, HMPP Workbench provides developers with powerful data-parallel code generators that efficiently leverage the computing power of stream processors while drastically reducing development time. HMPP Workbench is based on OpenMP™-like directive extensions, used to build hardware accelerated variants of functions to be offloaded in hardware accelerators such as NVIDIA® Tesla™ (or any CUDA™ compatible hardware) and AMD FireStream™.

The added-value for HMPP users is in massive development time savings, while still ensuring application portability and interoperability. HMPP™ enhances the value of software assets by keeping them independent from both hardware platforms and commercial software.

HMPP 2.x allows users to pipeline computations in multi-GPU systems and makes better use of asynchronous hardware features to build even better performing GPU accelerated applications.

HMPP 2.x fully supports AMD FireStream hardware with a CAL/IL code generator. The addition of an OpenCL code generator is another major milestone planned for the second half of this year that will give HMPP developers another powerful standard programming option.

"Our beta test customers are thrilled with the new HMPP features. Our new system makes software development so much easier, with new directive syntax error correction. Moving one step further in code optimization, our R&D teams have designed new HMPP directives that have fully proved their performance potential." explains Laurent Bertaux, CAPS Managing Director. "This new HMPP generation will enable CAPS to address more hardware platforms and new operating systems."

Stay tuned to HMPP hot spots this fall!

About CAPS entreprise

CAPS develops and commercializes HMPP (Hybrid Multicore Parallel Programming), the industry leading development tool suite for high performance applications. CAPS is committed to working with hardware vendors and ISVs to provide their customers with solutions to help them efficiently develop applications that leverage the performance of multicore processors. The company is headquartered in Rennes, France.

Further information is available at www.caps-entreprise.com.