



**Press Release - November 16th, 2009 – SC09**

---

## **CAPS to release AMD CAL/IL back-end within its HMPP hybrid compiler**

*CAPS a leader in development tools for parallel hybrid computing is pleased to announce the release of a new HMPP CAL/IL code generator to accelerate applications using AMD graphics processors.*

With this new back-end, CAPS broadens its portfolio of supported hardware accelerators allowing customers to address different hybrid systems with one single directive-based programming model.

While HMPP was already partially supporting AMD graphics products offering a portable interface to integrate hand written CAL/IL kernels in Fortran or C legacy applications, the new CAL/IL code generator makes HMPP fully automatic in generating AMD accelerated applications, reducing substantially development time.

“AMD is proud to work with technology partners, like CAPS, to deliver a robust development ecosystem for ATI Stream technology, designed to enable developers to take full advantage of the immense processing capabilities available in today’s heterogeneous architectures,” says Patricia Harrell, director of stream computing at AMD. “With the release of its CAL/IL back-end for the HMPP development platform, CAPS continues to strengthen the ecosystem for ATI Stream technology, by enabling developers to leverage both the CPU and the GPU in their system using familiar programming interfaces such as C and Fortran.”

“We are pleased to add the support of AMD/ATI GPU within HMPP. This will allow customers to benefit from the performance of this processor. Together with the AMD stream computing software tools, HMPP brings a real added value by allowing developers to quickly leverage the tremendous power of AMD GPU processors for their applications, while preserving their software assets”, declares Jean-Marc TALBOT, CAPS CEO.

The official release date is planned in December this year and CAPS will be demonstrating HMPP CAL/IL at SuperComputing, in Portland, Oregon in from 16<sup>th</sup> to 19<sup>th</sup> 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.

CAPS Contact: Estelle Dulsou – [estelle.dulsou@caps-entreprise.com](mailto:estelle.dulsou@caps-entreprise.com)  
Website: [www.caps-entreprise.com](http://www.caps-entreprise.com)