



## **HPC Project launches v 1.3.1 Par4All with OpenCL automatic code generation**

Paris January 23, 2012 - HPC Project introduces the 1.3.1 version of Par4All open parallelization platform with automatic code generation of OpenCL, the open standard for parallel programming of heterogeneous systems. This version brings also significant additions in the automatic generation of CUDA code.

Par4All is the industrial implementation of a technology developed by the teams of CRI/MINES ParisTech and Télécom Bretagne. Its goal is to allow industrial users to meet the challenge of multi-core architectures and other parallel processors for generic or embedded systems. From a C application, Par4All automatically generates a parallel code to OpenMP, CUDA (compilable on NVIDIA GPU) and now OpenCL. The generated code is readable and completely traceable with the original code. The whole process works like a usual compilation.

OpenCL™ (Open Computing Language) is the first open, royalty-free standard for cross-platform, parallel programming of modern processors found in personal computers, servers and handheld/embedded devices. The OpenCL code generation from Par4All v.1.3 is the result of the OpenGPU research project supported by the French public authorities and the SMECY ARTEMIS European project.

More on Par4All at [www.par4all.org](http://www.par4all.org)

About HPC Project

*HPC Project was established in December 2007. HPC Project is a pioneer in developing tools and strategies for high performance computing and code optimization. HPC Project goal is to bring the power of supercomputer on the engineer's desk.*

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