



Séminaire Informatique Haute Performance @ Campus Teratec

Séminaire n°53 du Jeudi 03 Novembre 2016, 10h, Ter@tec.

**Support of a Unified Parallel Runtime in a Compiler: Adding MPC
Extended Thread-Local Storage support in PGI Compilers.**

Jeudi 03 Novembre 2016, Jean Perier, Stagiaire chez PGI, nous présentera ses travaux sur l'intégration du support des TLS étendus de MPC dans le compilateur PGI.

Voici le résumé de cette présentation qui aura lieu dans la salle Paul Gauguin à Ter@tec, à 10h

Support of a Unified Parallel Runtime in a Compiler: Adding MPC Extended Thread-Local Storage support in PGI Compilers.

To gain performance in a parallel application, a developer has to choose the compiler and the runtime libraries that will get the most of its code and hardware. Yet, it is not always possible to pick any combination of runtime libraries and compiler because runtime can require a specific support from the compiler.

This is the case of the Multi-Processor Computing (MPC) runtime framework.

The goal of the work that will be presented is to go towards the possibility to take advantage of both NVIDIA's PGI compilers and MPC. More precisely, the goal is to add support for MPC Extended-Thread Local Storage (ETLS) feature inside PGI compilers.
