

HeteroPar 06: <http://dis.um.es/heteropar>

PANEL: Techniques for the development of efficient parallel routines for heterogeneous systems

Panelists (but it is an open panel)

Alexey Kalinov, Cadence Design Systems, Russia

Alexey Lastovetsky, University College Dublin, Ireland

Serge Petiton, CNRS/LIFL and INRIA, France

Enrique Quintana, University of Castellón, Spain

Ravi Reddy, GS Laboratory Pvt Ltd, India

Points to speak about (but feel free of speak about what and when you want)

- Is it necessary a standard **format of heterogeneous routines**?

How the format would be?

- What is the best way to **migrate successful homogeneous routines** to heterogeneous systems?

Rewrite all the code? Some sophisticated mapping tool?

- Is it necessary **to redefine the data structures** and distribution?
- Is there some standard **measure of the goodness** of a heterogeneous algorithm?
- Are there available satisfactory **tools and languages** for heterogeneous systems?
- Are there **communication routines optimized** for heterogeneous systems? Could they help?
- Could we develop efficient heterogeneous routines in a common way for the **different types of heterogeneous systems**?
And for future systems?