Information Society
Technologies

ARTIST2 – Year 1 Review

Grenoble, October 3rd-4th, 2005

Cluster

Compilers and Timing Analysis

Cluster leader : Reinhard Wilhelm (Saarland University)

Presentation of the Cluster
Core and Affiliated Partners
Competencies and Roles

Core partners:

- Reinhard Wilhelm (Saarland University),
  Cluster leader, Activity Leader Timing-Analysis Platform
- Rainer Leupers (RWTH Aachen), Activity Leader Compiler Platform
- Björn Lisper (Mälardalen University)
- Guillem Bernat (York University)
- Christian Ferdinand (AbsInt)
- Miguel Santana (ST Microelectronics)
- Peter Puschner (TU Wien)
- Peter Marwedel (Universität Dortmund)

Affiliated partners:

- Nikals Holsti (Tidorum)
  Timing-Analysis Platform
- Joseph van Vlijmen (ACE)
  Compiler Platform
- Isabelle Puaut (IRISA)
  Timing-Analysis Platform

Presentation of the Cluster
Research Activities
Platform

Cluster with two (rather disjoint) domains

Platform Activity:

- Timing-Analysis Platform

- Compiler Platform

Cluster Integration Activities:

- Architecture-aware Compilation

- Integration of Timing Analysis with Compiler (non-listed activity involving both domains)

NoE Integration Activities:

- Resource-aware Design
  with Clusters Execution Platform and Adaptive Real Time
  STREP proposal submitted about Predictability and Efficiency