

Some Visualization Models applied to the Analysis of Parallel Applications

Report on the PhD defense of M. Lucas Mello Schnorr

M. Lucas Mello Schnorr has contributed to define new approaches for the critical problem of analysis and visualization of parallel programs. This work is of great quality. Experimental work, not easy, is carefully performed on very large scale infrastructures suchs as grids with several thousands of processors.

M. Lucas Mello Schnorr displays a total familiarity with the extensive literature and tools in the domain of visualization of parallel systems. The talk was very clear with a rigourous and scientific spirit. The dissertation and the oral presentation fulfil without any doubt the criteria of a very good research. His research work has been published in several good conferences. A publication in a journal (Future Generation of Computer System) has just been accepted, just few days before the PhD defense.

During his talk, M. Lucas Mello Schnorr has used very nice slides to explain the main design choices for the Triva framework. It shows his ability to clearly present technical work. This quality is also essential to become professor in the universities.

M. Lucas Mello Schnorr has also been very sucessfull in answering to the questions of committee. He was very convincing in the debate with the committee members.

This research work has been conducted in the context of a scientific collaboration between the laboratories GPPD (Porto Alegre, Brazil) and LIG/INRIA (Grenoble, France). This doctoral degree is granted in accordance with a *Cotutelle* agreement between Grenoble INP and UFRGS (Universidade Federal do Rio Grande do Sul).

To conclude, the PhD committee decides to attribute to M. Lucas Mello Schnorr the title of *Docteur de Grenoble INP* with the speciality *Informatique*.

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