

First Prometidos Summer School

Madrid, 19-21 September

PROMETIDOS-CM (*Madrid Program in Rigorous Methods for the Development of Software*) is a R+D program funded by the regional government of Madrid, Spain, that involves some leading research groups in Computer Science in the region (IMDEA-Software, CLIP-UPM, BABEL-UPM, FADOSS-UCM, GPD-UCM). The scientific interests of PROMETIDOS-CM cover all aspects of development of software based on modular, scalable and realistic rigorous methods.

One of the strategic purposes of PROMETIDOS-CM is the realization of effective training actions to introduce young post-graduate and PhD students in the research area of rigorous methods. The announced Summer School attempts to be a contribution in this sense.

Jose F. Morales Caballero

Optimizing Compilation Techniques for Logic Programming

This lecture will discuss the techniques and principles for optimizing the execution of logic programs. We will cover the tuning and design of abstract machines, analysis based on abstract interpretation, optimization based on partial evaluation, generation of native code, and how all those techniques can be combined together for the purpose of resource-friendly computation.

Jose F. Morales joined IMDEA Software Institute as a postdoctoral researcher in November 2010, after receiving his Ph.D degree in Computer Science from the Technical University of Madrid (UPM), Spain. Previously, he held a teaching assistant position at the Universidad Complutense de Madrid, starting in 2005. Jose's work to date has focused on mechanisms for the efficient execution of logic programs.'
