

## **A Survey on Constraint Solving Approaches Using Parallel Architectures**

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**Abstract :** In the latest years and with the advancements of the multicore computing world, the constraint programming community tried to benefit from the capacity of new machines and make the best use of them through several parallel schemes for constraint solving. In this paper, we propose a survey of the different proposed approaches to solve Constraint Satisfaction Problems using parallel architectures. These approaches use in a different way a parallel architecture: the problem itself could be solved differently by several solvers or could be split over solvers.

**Keywords :** constraint programming, parallel programming, constraint satisfaction problem, speed-up

**Conference Title :** ICAISC 2016 : International Conference on Artificial Intelligence and Soft Computing

**Conference Location :** Venice, Italy

**Conference Dates :** June 13-14, 2016