

Third International CSP Competition (CPAI'08)
CSP, Max-CSP and Weighted-CSP Competition
Call for Solvers and Benchmarks
<http://cpai.ucc.ie/08/>

GOAL

The Third International CSP Solver Competition is organised to identify efficient algorithms, heuristics, solving strategies and systems. With this third edition, we hope to reach maturity by introducing more global constraints and collecting both a broader set of instances and a high number of contestants.

CATEGORIES AND RULES

Three different problems will be considered in this competition:

- the Constraint Satisfaction Problem (CSP)
- the Maximum Constraint Satisfaction Problem (Max-CSP)
- the Weighted Constraint Satisfaction Problem (WCSP)

Several categories of instances are defined:

- instances with only binary constraints defined in extension
- instances with only binary constraints defined in both intension and extension
- instances with constraints of any arity defined in extension
- instances with constraints of any arity defined in both intension and extension
- instances defined with some global constraints as well as constraints of any arity (in intension or extension)

Both complete and incomplete solvers may be submitted in any category of benchmarks and for any of the three considered problems. *A solver is not required to support all kinds of constraints to enter the competition.*

Benchmarks may be submitted in any of the categories above.

The detailed rules of the competition are available at <http://cpai.ucc.ie/08/>

FORMAT AND INSTANCES

The XML format XCSP version 2.1 (<http://www.cril.univ-artois.fr/~lecoutre/research/tools/2008/>) will be used to represent CSP instances. It is an extension of the XML format used during the CPAI06 competition. The rules of the competition (<http://cpai.ucc.ie/08/>) define which subset of this format will be allowed in the competition.

TOOLS AND BENCHMARKS

Several tools (parsers for the XML format, solution checkers...) will be provided (see <http://cpai.ucc.ie/08/>). Benchmarks and results of the previous competition are available at <http://www.cril.univ-artois.fr/CPAI06/>

DEADLINES

Opening of the registration site at http://www.cril.univ-artois.fr/CPAI08	May 2008
Pre-registration of contestants	May 20, 2008
Final registration (submission of solvers and benchmarks)	May 30, 2008
Test of solvers conformance	June 2008
Competition running	Summer 2008
Final results availability	during CP 2008

CONTACTS

Organizers may be reached at cspcomp@cril.univ-artois.fr