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
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<td>May 2008</td>
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<td>Pre-registration of contestants</td>
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CONTACTS
Organizers may be reached at cspcomp@cril.univ-artois.fr