Scheduling a Scheduling Competition

– Program –

International workshop at ICAPS 2007, Sept. 22nd, Providence (RI), USA

http://pst.istc.cnr.it/ssc-at-icaps-07/

9:00 Welcome
9:10 “Anatomy of a Scheduling Competition” M. Benedetti, F. Pecora, N. Policella
9:40 Invited talk: “Can a Competition Be Scientific?” J. Hooker
10:30 Coffee break

Session A Chair: C. Beck
11:00 “A Test Bed for Manufacturing Planning and Scheduling: Discussion of Design Principles” C. Le Pape
11:20 “Challenging Scheduling Problem in the field of System Design” A. Guerri, M. Lombardi, and M. Milano
11:40 “The Challenge of Sequence-Dependent Setups: Proposal for a Scheduling Competition Track on One Machine Sequencing Problems” V. Cicirello
12:00 “Which system should I buy? A case study about the QBF solvers competition” C. Ghersi, L. Pulina, and A. Tacchella
12:20 Wrap-up C. Beck + Short discussion
12:30 Lunch

Session B Chair: R. Bartak
14:00 “Analysis of a Benchmark Generator for the Reactive Scheduling Problem” A. Cesta, N. Policella, and R. Rasconi
14:40 “Space Operations as a Guide for a Real-World Scheduling Competition” E. Romero and M. Oglietti
15:00 “Towards the Benchmarks for Scheduling Problems” S. Petrovic
15:10 Curriculum-based Course Timetabling (Track 3)” L. Di Gaspero, A. Schaerf, and B. McCollum
15:20 “What Good is a Scheduling Competition? Insights from the IPC” T. Zimmerman
15:30 Wrap-up R. Bartak + Short discussion
15:40 Coffee break

Panel and discussion
16:00 Invited speech: “Scheduling 50 years from now” P. van Hentenryck
16:15 Panel discussion: “Defining an approach to competition implementation”
   Moderated by S.F. Smith, discussants: C. Beck, M. Boddy, A. Cesta, A. Davenport, T. Walsh
   Panelists will be asked to answer the open questions available on the workshop website
17:15 “What’s next?” F. Pecora, N. Policella + open discussion
17:30 Workshop ends