

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” <i>M. Benedetti, F. Pecora, N. Policella</i>	15:20	“What Good is a Scheduling Competition? Insights from the IPC” <i>T. Zimmermann</i>
9:40	Invited talk: “Can a Competition Be Scientific?” <i>J. Hooker</i>	15:30	Wrap-up <i>R. Bartak</i> + Short discussion
10:30	Coffee break	15:40	Coffee break
	Session A Chair: C. Beck		Panel and discussion
11:00	“A Test Bed for Manufacturing Planning and Scheduling: Discussion of Design Principles” <i>C. Le Pape</i>	16:00	Invited speech: “Scheduling 50 years from now” <i>P. van Hentenryck</i>
11:20	“Challenging Scheduling Problem in the field of System Design” <i>A. Guerri, M. Lombardi, and M. Milano</i>	16:15	Panel discussion: “Defining an approach to competition implementation” Moderated by <i>S.F. Smith</i> , discussants: <i>C. Beck, M. Boddy, A. Cesta, A. Davenport, T. Walsh</i>
11:40	“The Challenge of Sequence-Dependent Setups: Proposal for a Scheduling Competition Track on One Machine Sequencing Problems” <i>V. Ciriello</i>		Panelists will be asked to answer the open questions available on the workshop website
12:00	“Which system should I buy? A case study about the QBF solvers competition” <i>C. Ghersi, L. Pulina, and A. Tacchella</i>	17:15	“What’s next?” <i>F. Pecora, N. Policella</i> + open discussion
12:20	Wrap-up <i>C. Beck</i> + Short discussion	17:30	Workshop ends
12:30	Lunch		
	Session B Chair: R. Bartak		Program Committee
14:00	“Analysis of a Benchmark Generator for the Reactive Scheduling Problem” <i>A. Cesta, N. Policella, and R. Rasconi</i>		<i>R. Bartak</i> <i>Charles University</i>
14:20	“Benchmark Problems for Oversubscribed Scheduling” <i>L. V. Barbulescu, L.A. Kramer, and S.F. Smith</i>		<i>C. Beck</i> <i>University of Toronto</i>
14:40	“Space Operations as a Guide for a Real-World Scheduling Competition” <i>E. Romero and M. Ogietti</i>		<i>P. Brucker</i> <i>Universität Osnabrück</i>
15:00	“Towards the Benchmarks for Scheduling Problems” <i>S. Petrovic</i>		<i>A. Cesta</i> <i>ISTC-CNR</i>
15:10	“The Second International Timetabling Competition (ITC-2007): Curriculum-based Course Timetabling (Track 3)” <i>L. Di Gaspero, A. Schaefer, and B. McCollum</i>		<i>E. Demeulemeester</i> <i>K.U. Leuven</i>
			<i>E. Giunchiglia</i> <i>Università di Genova</i>
			<i>C. Le Pape</i> <i>ILOG S.A.</i>
			<i>F. Pecora</i> (co-chair) <i>ISTC-CNR</i>
			<i>S. Petrovic</i> <i>University of Nottingham</i>
			<i>N. Policella</i> (co-chair) <i>European Space Agency</i>
			<i>D.E. Smith</i> <i>NASA Ames Research Center</i>
			<i>S.F. Smith</i> <i>Carnegie Mellon University</i>
			<i>P. van Hentenryck</i> <i>Brown University</i>