

The 2007 IEEE Computational Intelligence in Scheduling Symposium(CISSched)

The 2007 IEEE Computational Intelligence in Scheduling Symposium covers research on all aspects of computational intelligence applied to scheduling. Scheduling problems are often not amenable to be being tackled by exact approaches due to the huge search spaces that have to be explored. As a result we often have to turn to techniques which fall under the term of Computational Intelligence. These can include Evolutionary Computation, Neural Networks, Fuzzy Logic etc. and this syposium has explored recent advances in this area.

We were delighted to receive 67 submissions for this inaugural symposium. We were able to accept 42 of those submissions (37 as oral presentations and 5 as poster presentations). The papers that will be presented cover a wide variety of methodologies including genetic algorithms, ant algorithms and co-evolution and tackled problem domains such as sports scheduling, vehicle routing and flowshop scheduling.

As part of CISSched we were delighted that Erwin Pesch accepted our invitation to present a plenary talk entitled *Airport Flight Gate Scheduling with Constraint Programming*.

Mark Boddy also agreed to present a tutorial which looks at *Beyond the Job-Shop: Scheduling in the Real World*.

This symposium would not have been possible without the help of the authors and the assistance of the international programme committee. Below we list the programme committee and the authors are listed within the proceedings.

Hussein Abbass	Chi Keong Goh	Sanja Petrovic
Salwani Abdullah	Thomas Hanne	Rong Qu
Samad Ahmadi	Nicolas Kemper Valverde	Colin Reeves
Uwe Aickelin	Graham Kendall	Celso Ribeiro
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Yuri Bykov	Ana Madureira	KC Tan
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Hai-Bin Duan	Wim Nuijten	John Woodward
Wilhelm Erben	Angelo Oddi	Mike Wright
Jacques Ferland	Ibrahim Osman	Ong Yew Soon
Dalibor Froncek	Ender Ozcan	Justin Zhan
Michel Gendreau	Gilles Pesant	Yakov Zinder

We would also like to thank Rong Qu, who maintained the web site for the symposium and also Dipti Srinivasan who acted as the proceedings chair.

Finally, we would like to thank David Fogel (general chair of the Symposium Series on Computational Intelligence), who suggested this symposium and invited us to act as chairs.

Graham Kendall, KC Tan, Edmund K. Burke, Stephen Smith (Symposium Co-Chairs)