PlanSIG2004
University College Cork, 20th-21st December, 2004

Provisional Programme

Monday 20th December

09:00 - 09:25 Registration

09:25 - 09:30 Workshop Opening Remarks

09:30 - 10:45 Session 1

09:30   A.W. ter Mors J.M. Valk C. Witteveen
        Decomposition in Multi-Agent Planning Systems with an application to logistic problems
09:55   Dionysis Kalofonos & Tim Norman
        Exploiting Abstraction for Multi-Agent Planning
10:20   Pieter Buzing, Adriaan ter Mors and Cees Witteveen
        Multi-Agent Plan Repair With DTPs

10:45 - 11:15 Coffee

11:15 - 12:30 Session 2

11:15   E. Selensky, J. Little and C. Beck
        Process Design for Efficient Scheduling
11:40   Kok Seng Low, M-Tahar Kechadi, Remy Dupas, Gilles Goncalves, and Tiente Hsu
        A Neural Network Model for Flexible Manufacturing Cyclic Scheduling Systems
12:05   Liliana Cucu, Yves Sorel
        Non-preemptive multiprocessor scheduling of strict periodic systems with precedence constraints

12:30 - 14:00 Lunch

14:00 - 15:15 Session 3

14:00   Henrik Westerberg and John Levine
        Numeric briefcase Domain Metric Optimisation using an EA
14:25   Andrew Tuson
        Heuristic Initialisation: A Knowledge Level Perspective
14:50   Graham Ritchie and John Levine
        A hybrid ant algorithm for scheduling independent jobs in heterogeneous computing environments

15:15 - 15:45 Coffee

15:45 - 17:00 Session 4

15:45   Antonio Garrido & Eva Onaindia
        On the Separation of Propositional and Numeric Planning in Realistic Problems
16:10   Richard Howey, Derek Long and Maria Fox
        Validating Plans with Exogenous Events
16:35   Debora Field and Allan Ramsay
        How to build towers of abitrary heights

17:00 - 17:15 PlanSIG Business Meeting

19:30 Workshop Dinner, Proby's Bistro, Crosses Green, Cork

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Tuesday 21st December

09:15 - 10:30 Session 5

09:15   T. Grant, H. Strachan and P. Reynolds
          Generating Cyclic Plans for Traffic Signals
09:40   R.M Simpson and T. L. McCluskey
          Synthesising domain descriptions from object life histories
10:05   Fiona McNeill, Alan Bundy & Chris Walton
          Planning with Ontological Knowledge

10:30 - 11:00 Coffee

11:00 - 12:20 Session 6

11:00   Muna Hamdi, Alireza Mousavi and Masoor Sarhadi
          Process flow and Operations Management within food processing factories (e-Track)
11:15   Bryan McEleney and Gregory O'Hare
          Planning to Replan in a Multi-agent Environment
11:30   Roman van der Krogt
          Unrefinement Planning: Extending Refinement Planners with Plan Repair Capabilities
11:55   Femke de Jonge & Nico Roos
          Plan-execution health repair in a multi-agent system

12:20 - 13:30 Lunch

13:30 - 14:45 Session 7

13:30   Eliseo Marzal, Eva Onaindia and Laura Sebastia
          Matching temporal plans in durational contexts with delays
13:55   Stephen Cresswell and Alex Coddington
          Handling LTL Formulas in a Plan Graph
14:20   Julie Porteous, Derek Long and Maria Fox
          The identification and exploitation of almost symmetries in planning problems

14:45 Close