JICSLP'98 & LOPSTR'98 Programme

Monday 15 June 1998

0800	LOPSTR Registration	Schuster (foyer)[1]
0845	LOPSTR Welcome	Schuster (Bragg)
0900	LOPSTR 1: Specification (Chair: Ali Mili) *NP-SPEC: An Executable Specification Language for Solving all Problems in NP* M. Cadoli, L. Palopoli, A. Schaerf, D. Vasile *Attempto Controlled English: Not Just Another Logic Specification Language* N. Fuchs, U. Schwertel, R. Schwitter *Specialising Logic Programs wrt Pre and Post Specifications* A. Bossi, S. Rossi	Schuster (Bragg)
1030	Coffee/tea	Schuster (foyer)
1100	LOPSTR 2: Synthesis I (Chair: Mario Ornaghi) *Synthesizing Imperative Object-Oriented Programs Using a Logic of Actions* P. Bellot *Synthesis of Programs in Abstract Data Types* A. Avellone, M. Ferrari, P. Miglioli *Using Decision Procedures to Build Domain-Specific Deductive Synthesis Systems* J. Van Baalen, S. Roach	Schuster (Bragg)
1230	Buffet lunch	Schuster (foyer)
1400	LOPSTR 3: Transformation (Chair: Alberto Pettorossi) *An Exhaustive-Search Method using Layered Streams Obtained through a Meta-Interpreter for Chain Programs* D. Rosenblueth *A Calculus of Program Transformations and Its Applications* R. Ben Ayed, J. Desharnais, M. Frappier, A. Mili *Preventing Instantiation Errors and Loops for Logic Programs with Several Modes Using Block Declarations* J.-G. Smaus, P. Hill, A. King	Schuster (Bragg)
1530	Coffee/tea	Schuster (foyer)
1600	LOPSTR 4: Verification (Chair: Annalisa Bossi) *Invariant Discovery via Failed Proof Attempts* J. Stark, A. Ireland *Verifying Protocols with Executable Linear Logic* P. Merino, J.-M. Troya	Schuster (Bragg)
1700	JICSLP Registration	Schuster (foyer)
1900	JICSLP/LOPSTR Reception	Christie (Christie's Bistro)

[1] B(R) denotes room R in building B, where B is the building's name as it appears in the Campus Guide.

JICSLP'98 & LOPSTR'98 Programme

Tuesday 16 June 1998

0800 JICSLP Registration (foyer)

0915 JICSLP Welcome (R)[2]

0930 JICSLP Invited Talk: (R)
(Chair: Joxan Jaffar)
Disjunctive Linear Programming: At the Intersection of Operations Research and Logic Programming
Ken McAloon, ILOG Inc. and City University of New York

1030 Coffee/tea (foyer)

1100 JICSLP 1: Constraints (R)
(Chair: Philippe Codognet)
Co-definite Set Constraints with Membership Expressions
P. Devienne, J.-M. Talbot, S. Tison
On the Representation and Management of Finite Sets in CLP-languages
A. Dovier, C. Piazza, E. Pontelli, G. Ross
Meta Linear Constraint in Constraint Logic Programming
P. Refalo

LOPSTR 5: Specialisation (B)
(Chair: Nicoletta Cocco)
A Formal Comparison of Well-Quasi and Well-Founded Orders for Online Termination
M. Leuschel
Generalization in Hierarchies of Online Program Specialization Systems
R. Gluck, J. Hatcliff, J. Jørgensen
Bottom Up Specialisation: Towards General Foundations
W. Vanhoof, D. De Schreye, B. Martens

1230 Buffet lunch (foyer)

1400 JICSLP Tutorial 1: (R)
(Chair: David S. Warren)
SICStus Prolog and Agent-Based Systems
Olle Olsson

JICSLP Tutorial 2: (B)
(Chair: Pat Hill)
Logic Program Transformation
Alberto Pettorossi and Maurizio Proietti

1530 Coffee/tea (foyer)

1600 JICSLP 2: Systems/Implementations (R)
(Chair: Michael Hanus)
A High-Level Intermediate Language and the Algorithms for Compiling Finite-Domain Constraints
N.-F. Zhou
Distance: a New Metric for Controlling Granularity for Parallel Execution
K. Shen, V. Santos Costa, A. King
VisAll: A new Tool to Visualise Parallel Execution of Logic Programs
N. Fonseca, V. Santos Costa, I. de Castro Dutra

LOPSTR 6: Synthesis II and Schemas (B)
(Chair: Norbert Fuchs)
A Step Towards a Methodology for Mercury Program Construction: A Declarative Semantics for Mercury
D. Baldan, B. Le Charlier, C. Leclère, I. Pollet
Schema-Guided Synthesis of Constraint Logic Programs
H. Zidoum, P. Flener, B. Hnich
Proof Planning with Schema Frameworks
J. Richardson

1730 End

1900 Prolog Programming Contest Computer (Engineering Lab)

[2](R) and (B) stand for Schuster (Rutherford) and Schuster (Bragg) respectively.

JICSLP'98 & LOPSTR'98 Programme

Wednesday 17 June 1998

0900	Registration		(foyer)
0930	JICSLP Keynote Talk: (Chair: Krzysztof Apt) *The Pi Calculus and its Applications* Robin Milner, University of Cambridge		(R)
1030	Coffee/tea		(foyer)
1100	JICSLP 3: Proof Systems (R) (Chair: Nevin Heintze) *Proof-Theoretic Foundation of Compilation in Logic Programming Languages* I. Cervesato *Abstract Compilation of Lambda Prolog* F. Malesieux, O. Ridoux, P. Boizumault *Efficient Implementation of a Linear Logic Programming Language* J.S. Hodas, K.M. Watkins, N. Tamura, K.-S. Kang	LOPSTR 7: Analysis (Chair: Michael Leuschel) *Successes in Logic Program* A. Bossi, N. Cocco *Inferring and Compiling Termination for Constraint Logic Programs* S. Hoarau, F. Mesnard *Strictness Analysis as Finite-Domain Constraint Solving* T. Gabrić, H. Søndergaard	(B)
1230	Buffet lunch		(foyer)
1515	Birthday Party		Bridgewater Hall[3]
1900	Halle Prom		Bridgewater Hall

[3] Bridgewater Hall is on Lower Mosley Street (near the G-Mex Exhibition Centre), which is between Peter Street and Whitworth Street (see the City Centre Map in the Campus Guide).

JICSLP'98 & LOPSTR'98 Programme

Thursday 18 June 1998

0900	Registration			(foyer)
0930	JICSLP Invited Talk: (Chair: John Lloyd) *Inductive Logic Programming for Relational Knowledge Discovery* Nada Lavrač, Jozef Stefan Institute			(R)
1030	Coffee/tea			(foyer)
1100	JICSLP 4: Semantics (Chair: Tony Kakas) *Normal Forms for Defeasible Logic* G. Antoniou, D. Billington, M.J. Maher *Regular Extension Semantics and Disjunctive Eshghi-Kowalski Procedure* J.-H. You, L.Y. Yuan, R. Goebel *Beyond Success and Failure* S. Etalle, F. van Raamsdonk	(R)	Industrial Conference 1:[4] *The Prolog-CORBA Combination in the Maya Spoken Language System* Ed Kaneen, BT Laboratories, UK *Crew Scheduling at North Western Trains using CHIP* Iain Maclean, PA Consulting, UK	(B)
1230	Buffet lunch			(foyer)
1400	JICSLP 5: Program Analysis (Chair: Maurice Bruynooghe) *Source-to-source Prolog Program Compression* P. Devienne, A. Parrain, P. Tallibert, S. Varennes *Program Specialisation and Abstract Interpretation Reconciled* M. Leuschel *Termination Analysis: Some Practical Properties of the Norm and Level Mapping Space* S. Decorte, D. De Schreye	(R)	Industrial Conference 2: *Configuration Spreadsheet for Interactive Constraint Problem Solving* Martin Renschler, Ericsson Eurolab, Germany *D-WMS: Distributed Workforce Management using CLP. An Application from British Telecom* Steve Gregory, University of Bristol, UK	(B)
1530	Coffee/tea			(foyer)
1600	JICSLP posters & LOPSTR demos	(library)	Industrial Conference 3: *SewEx - A Flex Based Expert System for Sewege Treatment at Welsh Water* Philip Grant, University of Wales, Swansea, UK *The Application of Inductive Logic Programming to Problems Related to Drug Design* Ashwin Srinivasan, Oxford University, UK	(B)
1730	End		Industrial Conference: Closing Discussion	(B)
1800	ALP meeting			(R)
1900	Conference Dinner			Whitworth Hall[5]

[4] Advanced Software Applications using Logic and Constraints: A Compulog Net Industrial Conference at JICSLP'98. JICSLP'98 and LOPSTR'98 delegates can attend all the Industrial Conference sessions free of charge.

[5] Pre-dinner drinks will be served in Christie's Bistro (in the Christie Building) at 1900 hrs.

JICSLP'98 & LOPSTR'98 Programme

Friday 19 June 1998

0930 LOPSTR Invited Talk: (R)
(Chair: Pierre Flener)
Algorithms for Synthesizing Reactive Systems: A Perspective
Pierre Wolper, Université de Liège

1030 Coffee/tea (foyer)

1100 JICSLP 6: Databases (R)
(Chair: James Harland)
On Logically Justified Updates
M. Dekhtyar, A. Dikovsky, N. Spyratos
Iterated Logic Program Updates
J. Leite, L.M. Pereira
Specialising The Other Way Around
W. Vanhoof, B. Martens, D. De Schreye, K. De Vlaminc

LOPSTR 8: Composition and Reuse (B)
(Chair: Dave Robertson)
OOD Frameworks in Component-based Software Development in Computational Logic
K.-K. Lau, M. Ornaghi
Inductive Synthesis of Logic Programs by Composition of Combinatory Program Schemes
A. Hamfelt, J. Fischer Nilsson
The Use of Renaming in Composing General Programs
A. Brogi, S. Contiero, F. Turini

1230 Buffet lunch (foyer)

1400 JICSLP Tutorial 3: (R)
(Chair: Michael Maher)
Inheritance with Exceptions and Logic Programming
Jia-Huai You and Li Yan Yuan

JICSLP Tutorial 4: (B)
(Chair: Danny De Schreye)
Model Checking and XSB
C.R. Ramakrishnan

1530 Coffee/tea (foyer)

1600 JICSLP 7: Algorithms (R)
(Chair: Harald Søndergaard)
Greedy Algorithms in Datalog with Choice and Negation
S. Greco, C. Zaniolo
On the Optimality of Scheduling Strategies in Subsumption-based Tabled Resolution
P. Rao, C.R. Ramakrishnan, I.V. Ramakrishnan
Admissible Graph Rewriting and Narrowing
R. Echahed, J.-C. Janodet

LOPSTR 9: Industrial Applications (B)
(Chair: Andreas Hamfelt)
Pragmatics in the Synthesis of Logic Programs
D. Robertson, J. Agustí
Set Constraints: Validation for Set-based Specification
A. Tellez-Arenas
A Set-Oriented Meta-Interpreter Driven by a "Relational" Trace for Deductive Databases Debugging
S. Mallet, M. Ducassé

1730 JICSLP Post-Conference Workshop Registration (foyer)

1900 Musical evening featuring the LP Trio Refectory (Staff House Lounge)

Post-JICSLP'98 Workshop Programme

Saturday 20 June 1998

0800	Registration		Staff House [6]
0900	Session 1:		
	Workshop 1:	Logic Programming and Soft Computing (LPSC'98)	
	Workshop 2:	Transactions and Change in Logic Databases (DYNAMICS'98)	
	Workshop 3:	Automated Software Engineering and Logic Programming	
	Workshop 4:	CompulogNet Area Meeting on Computational Logic and Machine Learning	
	Workshop 5:	Deductive Databases and Logic Programming (DDLP'98)	
	Workshop 7:	Implementation Technologies for Programming Languages based on Logic	
	Workshop 8:	Types for Constraint Logic Programming	
1030	Coffee/tea		
1100	Session 2:		
	Workshop 1:	Logic Programming and Soft Computing (LPSC'98)	
	Workshop 2:	Transactions and Change in Logic Databases (DYNAMICS'98)	
	Workshop 3:	Automated Software Engineering and Logic Programming	
	Workshop 4:	CompulogNet Area Meeting on Computational Logic and Machine Learning	
	Workshop 5:	Deductive Databases and Logic Programming (DDLP'98)	
	Workshop 7:	Implementation Technologies for Programming Languages based on Logic	
	Workshop 8:	Types for Constraint Logic Programming	
1230	Buffet lunch		
1400	Session 3:		
	Workshop 4:	CompulogNet Area Meeting on Computational Logic and Machine Learning	
	Workshop 5:	Deductive Databases and Logic Programming (DDLP'98)	
	Workshop 7:	Implementation Technologies for Programming Languages based on Logic	
1530	Coffee/tea		
1600	Session 4:		
	Workshop 4:	CompulogNet Area Meeting on Computational Logic and Machine Learning	
	Workshop 5:	Deductive Databases and Logic Programming (DDLP'98)	
	Workshop 7:	Implementation Technologies for Programming Languages based on Logic	
1730	End		

[6] This is Staff House at the Manchester Conference Centre in UMIST, near Weston Hall. It is building no. 8 in the guide for the Manchester Conference Centre.