20th International Conference on Logic Programming
September 6-10, 2004

PROGRAMME

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Andreas Podelski
Chiaki Sakama
Zoltan Somogyi
Paul Tarau

Sunday 5th September

17:00 - 20:00	Registration	Room Lamennais 4 & 5
18:00 - 20:00	Reception – Welcome Cocktail	Room Lamennais 4 & 5

Monday 6th September

8:30 - 9:00	Registration	
9:00 – 10:30	Opening session: ***M. Ducassé, B. Demoen, V. Lifschitz***	Room Lamennais 1 & 2
	Invited talk **: « Non-determinism lessons »** - ***Gérard Huet*** Session Chair: **V. Dahl**	Room Lamennais 1 & 2
10:30 - 11:00	**Coffee break**	Room Lamennais 4 & 5
11:00 - 12:30	ANALYSIS session (plenary session) Session Chair**: M. Hermenegildo**	Room Lamennais 1 & 2
	Abstract Domains Based on Regular Types - *John P. Gallagher, Kim S. Henriksen*	
	Termination of Logic Programs Using Various Dynamic Selection Rules - *Jan-Georg Smaus*	
	Improving Prolog Programs: Refactoring for Prolog - *Tom Schrijvers, Alexander Serebrenik*	
12:30 - 14:30	**Lunch**	Rotunda Surcouf
14:30 – 16:30	CONSTRAINT I session Session Chair **: F. Fages**	Room Lamennais 1 & 2
	Smodels with CLP and its Applications: A Simple and Effective Approach to Aggregates in ASP - *Islam Elkabani, Enrico Pontelli, Tran Cao Son*	
	The Refined Operational Semantics of Constraint Handling Rules - *Gregory J. Duck, Peter J. Stuckey, María Garcia de la Banda, Christian Holzbaur*	
	Compiling Ask Constraints - *Gregory J. Duck, María Garcia de la Banda, Peter J. Stuckey*	
	Constraint Handling Rules and Tabled Execution label (**best paper award**) - *Tom Schrijvers, David S. Warren*	
	MultiCLP/WLPE workshop	Room Lamennais 3
	Invited talk: "Regular types, modes and model checking" - *John Gallagher*	
	On termination of binary CLP programs - *Alexander Serebrenik, Fred Mesnard* Upsh: A Unix to Prolog Shell - *Nicos Angelopoulos*	
16:30 - 17:00	**Coffee break**	Room Lamennais 4 & 5
17:00 - 19:30	Prolog Programming Contest Chairs**: Tom Schrijvers, Remko Tronçon**	Room Lamennais 3

Tuesday 7th September

9:00 - 10:30	Tutorial : **"The Implementation of Answer Set Solvers" - *Ilkka Niemelä*** Session Chair : **G. Gupta**	Room Lamennais 1 & 2
10:30 - 11:00	**Coffee Break**	Room Lamennais 4 & 5
11:00 - 12:30	ALTERNATIVE PARADIGMS I session Session Chair **: S. Etalle** Possible Worlds Semantics for Probabilistic Logic Programs - *Alex Dekhtyar, Michael I. Dekhtyar* Limiting Resolution: from Foundations to Implementation - *Patrick Caldon, Eric Martin* Generalised Kernel Sets for Inverse Entailment - *Oliver Ray, Krysia Broda, Alessandra Russo*	Room Lamennais 1 & 2
	MultiCPL/WLPE workshop Assumptions and Abduction in Prolog - *Henning Christiansen, Veronica Dahl* Strategies for the Efficient Solution of Hybrid Constraint Logic Programs - *Stephan Frank, Petra Hofstedt, Dirk Reckmann* Towards Temporal Reasoning in Constraint Contextual Logic Programming - *Vitor Beires Nogueira, Salvador Abreu, Gabriel David*	Room Lamennais 3
12:30 - 14:30	**Lunch**	Rotonda Surcouf
14:30 - 16:30	IMPLEMENTATION session Session Chair **: J. Gallagher** Fast Query Evaluation with (Lazy) Control Flow Compilation - *Remko Tronçon, Gerda Janssens, Henk Vandecasteele* Speculative Computations in Or-Parallel Tabled Logic Programs - *Ricardo Rocha, Fernando Silva, Vitor Santos Costa* AlphaProlog: A Logic Programming Language with Names, Binding and Alpha-Equivalence *- James Cheney, Christian Urban* Implementation Results in Classical Constructive Negation - *Susana Muñoz Hernández, Juan José Moreno Navarro*	Room Lamennais 1 & 2
	MultiCLP/WLPE workshop Invited talk: "Prolog Models for the Model-View-Controller Paradigm" – *David S. Warren* A Logic Programming-based Environment for Integrating Architecture Description Languages - *Qian Wang, Gopal Gupta* FDBG, the CLP(FD) Debugger Library of SICStus Prolog - *Dávid Hanák,Tamás Szeredi* Explanations to Understand the Trace of a Finite Domain Constraint Solver - *Gérard Ferrand, Willy Lesaint, Alexandre Tessier*	Room Lamennais 3
16:30 - 17:00	**Coffee break**	Room Lamennais 4 & 5
17:00 - 18:30	**Poster session** (list at the end of this programme) Session Chair **: M. Ducassé**	Room Lamennais 4 & 5
19:00 - 23:00	**Banquet** Keynote speaker ***Hervé Gallaire*** *ICLP'04 awards* *20th Anniversary awards* *Fest Noz (traditional dancing)*	Rotonda Surcouf

Wednesday 8th September

9:00 - 10:30	Invited talk: **"Answer Set Programming and Design of Deliberative Agents" - *Michael Gelfond*** Room Lamennais 1 Session Chair **: V. Lifschitz** Logic Programs with Annotated Disjunctions – *Joost Vennekens and Sofie Verbaeten and Maurice Bruynooghe*
10:30 - 11:00	**Coffee Break** Room Lamennais 4 & 5
11:30 - 13:00	ANSWER SET PROGRAMMING I session Room Lamennais 1 Session Chair **: I. Niemela** Enhancing the Magic-Set Method for Disjunctive Datalog Programs – *Chiara Cumbo, Wolfgang Faber, Gianluigi Greco, Nicola Leone* Splitting an Operator - *Joost Vennekens, David Gilis, Marc Denecker* Adding Domain Dependent Knowledge into Answer Set Programs for Planning – *Xiumei Jia, Jia-Huai You, Li Yan Yuan* On Acyclic and Head-Cycle Free Nested Logic Programs - *Thomas Linke, Hans Tompits, Stefan Woltran* CICLOP workshop Room Lamennais 2 Invited talk: " On Benchmarking Constraint Logic Programming Platforms" - *Kish Shen* Towards a CLP System for Reasoning about Answer Sets - *Omar Elkhatib, Enrico Pontelli, Tran Cao Son* On the implementation of MCMC proposals over Stochastic Logic Programs - *Nicos Angelopoulos, James Cussens* PPSWR workshop Room Lamennais 3 Invited talk: Title to be announced *Grosof* On Subtyping of Tree-structured Data A Polynomial Approach - *François Bry, Wlodzimierz Drabent, Jan Maluszynski* Towards generic query, update, and event languages for the Semantic Web - *Wolfgang May, José Júlio Alferes, François Bry*
13:00 - 14:30	**Lunch** Rotunda Surcouf
14:30 - 16:30	CONSTRAINTS II session Room Lamennais 1 Session Chair **: P. Stuckey** On Hybridization of Local Search and Constraint Propagation - *Eric Monfroy, Frédéric Saubion, Tony Lambert* Arc-Consistency + Unit Propagation = Lookahead - *Jia-Huai You, Guiwen Hou* The period Constraint - *Nicolas Beldiceanu, Emmanuel Poder* Non-Viability Deductions in Arc-Consistency Computation - *Camilo Rueda, Frank Valencia* CICLOP workshop Room Lamennais 2 Orthogonal Language Constructs for Agent Oriented Logic Programming - *Paul Tarau* Implementation Strategies for Single Assignment Variables - *Frej Drejhammar, Christian Schulte* Optimising P#: Translating Prolog to More Idiomatic C# - *Jonathan J. Cook* Comparing Alternative Approaches for Coupling Logic Programming with Relational Databases - *Michel Ferreira, Ricardo Rocha, Sabrina Silva* PPSWR workshop Room Lamennais 3 Data Retrieval and Evolution on the (Semantic) Web: A Deductive Approach - *François Bry, Tim Furche, Paula-Lavinia Patrânjan, Sebastian Schaffert* Rules and Queries with Ontologies: a Unified Logical Framework - *Enrico Franconi, Sergio Tessaris* Semantic Web Reasoning for Ontology-based Integration of Resources - *Liviu Badea, Doina Tilivea, Anca Hotaran* Static Typechecking of Datalog with Ontologies - *Jakob Henriksson, Jan Maluszynski*
16:30 - 17:00	**Coffee break** Room Lamennais 4 & 5

Wednesday 8th September

17:00 - 18:30	CICLOP workshop — Room Lamennais 2 A Logic Programming Framework for Semantic Interpretation with WordNet and PageRank - *Paul Tarau, Rada Mihalcea, Elizabeth Figa* Open discussion: "Implementing Constraint Logic Programming: Trends and Challenges" PPSWR workshop — Room Lamennais 3 Reasoning about Temporal Context using Ontology and Abductive Constraint Logic Programming - *Hongwei Zhu, Stuart E. Madnick, Michael D. Siegel* Towards a Multi-Calendar Temporal Type System for (Semantic) Web Query Languages - *François Bry, Stephanie Spranger* Calendrical Calculations with Time Partitionings and Fuzzy Time Intervals - *Hans Jürgen Ohlbach* TeachLP workshop — Room Lamennais 1 Invited Talk : "An On-line Course on constraint Programming" – Christine Solnon Partial Specifications of Programme Properties - *Christoph Beierle, Marija Kulas, Manfred Widera* Teaching Prolog Programming at the Eötvos Loránd University, Budapest – *Tibor Asványi*
18:30 - 19:30	***ALP General Assembly***

Thursday 9th September

9:00 - 10:30	Invited talk : **"Termination by Abstraction" - *Nachum Dershowitz*** Session Chair **: B. Demoen** — Room Lamennais 1 Multi-agent Coordination as Distributed Logic Programming– *David Robertson*
10:30 – 11:10	**Coffee break** — Room Lamennais 4 & 5
11:00 – 13:00	ANSWER SET PROGRAMMING II session — Room Lamennais 1 Session Chair **: M. Gelfond** Compiling Prioritized Circumscription into Answer Set Programming – *Toshiko Wakaki, Katsumi Inoue* On Programs with Linearly Ordered Multiple Preferences - *Davy Van Nieuwenborgh, Stijn Heymans, Dirk Vermeir* Rectilinear Steiner Tree Construction using Answer Set Programming – *Esra Erdem, Martin D. F. Wong* Simplifying Logic Programs under Answer Set Semantics - *David Pearce* TeachLP workshop — Room Lamennais 2 Prolog as Description an Implementation Language in Computer Science Teaching – *Henning Christiansen, (presented by John Gallagher)* Teaching Logic Programming at the Budapest University of Technology – *Peter Szeredi* A Logic Programming E-learning Tool for Teaching Database Dependency Theory – *Paul Douglas, Steve Barker* PPSWR workshop — Room Lamennais 3 Invited Talk : Title to be announced - Kiefer DR-DEVICE: A Defeasible Logic System for the Semantic Web - *Nick Bassiliades, Grigoris Antoniou, Ioannis Vlahavas* A PDDL based Tool for Automatic Web Service Composition - *Joachim Peer*
13:00 - 14:30	**Lunch** — Rotunda Surcouf
14:30 - 16:15	Tutorial **: "Defeasible Logic Programming and Belief Revision" - *Guillermo R. Simari*** Session Chair : **P. Tarau** — Room Lamennais 1 ***Conference closing***
16:30 - 20:00	**Trip to Mont Saint Michel**

Posters

Room Lamennais 4 & 5

- Abstract Interpretation-based Mobile Code Certification
  Elvira Albert, German Puebla, Manuel Hermenegildo
- Labeled Logic Programs
  Steve Barker
- Xcerpt and XChange -- Logic Programming Languages for Querying and Evolution on the Web
  François Bry, Paula-Lavinia Patranjan, Sebastian Schaffert
- Protein Folding Simulation in CCP
  Alessandro Dal Palu, Agostino Dovier, Federico Fogolari
- Model and predict extra-functional properties of component-based models
  Olivier Defour, Jean-Marc Jézéquel, Noël Plouzeau
- Main Results of the OADymPPaC Project
  Pierre Deransart
- FDBG, the CLP(FD) Debugger Library of SICStus Prolog
  David Hanak, Tamas Szeredi, Peter Szeredi
- Development of Semantic Debuggers Based on Refinement Calculus
  Rohit N. Kundaj, R. K. Shyamasundar
- A tracer driver to enable debugging, monitoring and visualization of CLP executions from a single tracer
  Ludovic Langevine, Mireille Ducassé
- Grid Service Selection with PPDL
  Massimo Marchi, Alessandra Mileo, Alessandro Provetti
- Concurrent Constraint Programming and Tree--Based Acoustic Modelling
  Moritz Neugebauer
- MProlog: An Extension of Prolog for Modal Logic Programming
  Linh Anh Nguyen
- Probabilistic Choice Operators as Global Constraints : Application to Statistical Software Testing
  Matthieu Petit, Arnaud Gotlieb
- Constraint-based Synchronization and Verification of Distributed Java Programs
  Rafael Ramirez, Juanjo Martinez
- JmmSolve : a generative Java Memory Model implemented in Prolog and CHR
  Tom Schrijvers
- Agent Oriented Logic Programming Constructs in Jinni 2004
  Paul Tarau

Useful information

- **The conference** will be held on the third floor of the Palais du Grand Large. The all conference site is a no-smoking area.

- **The registration desk** will be open at the same time as the welcome cocktail and every morning from 8:30.

- **Tourism information:** see the Palais du Grand Large information desk at the main entrance for any information regarding Saint-Malo and the area.

- **The Internet café** is located in room Lamennais 4&5. Five computers will be at your disposal and a free Wireless Internet access will be provided in all conference rooms.

- **Posters:** the poster area is located in Lamennais 4&5. It will be possible to install them from the welcome cocktail on Sunday evening onwards. An adhesive kit will be supplied to the participants – **no pins are allowed**. We ask to the participants to remove their poster on Thursday at noon.

- **Mont-Saint Michel guided tour** will be held on Thursday afternoon. The shuttle will leave the Palais du Grand Large at the end of the session to the Mont Saint-Michel (meeting point in front of the Palais du Grand Large at 16:15). We will be back in Saint-Malo at 20:30 to allow the participants to have diner in town.

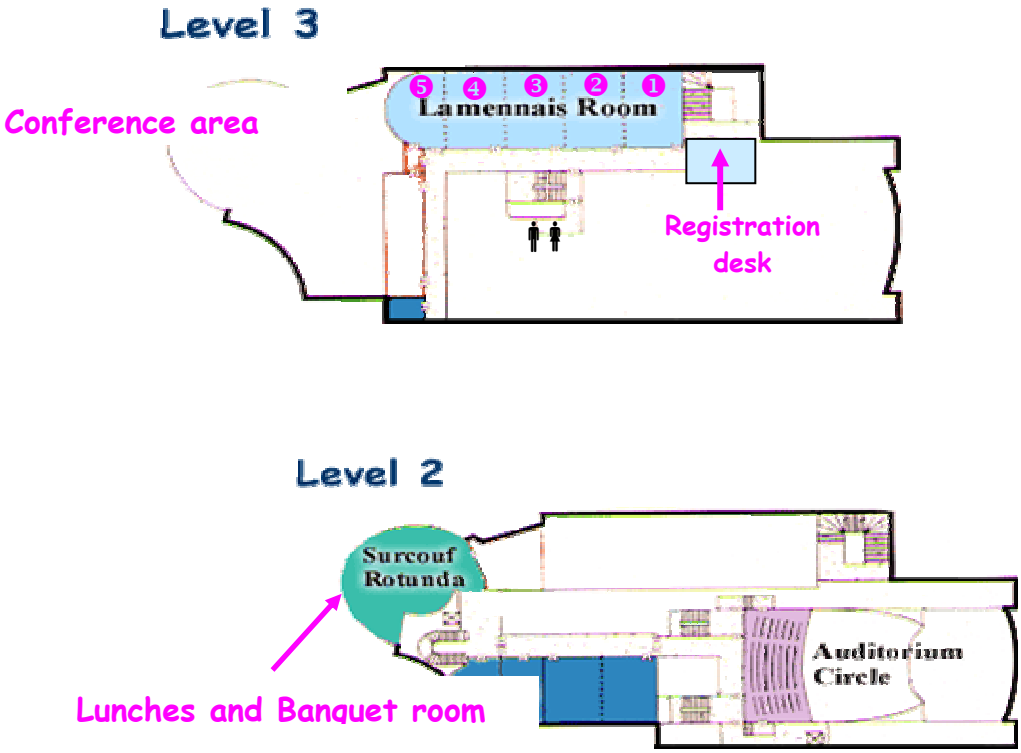
- **The last day:** the conference will end on Friday at 12:30. A free shuttle will be at your disposal to go to the railway station. No lunch will be provided.

- **Vouchers:** please leave the vouchers that you don't plan to use in the dedicated box at the registration desk.

- **Name tags:** upon departure, leave your name tag in the dedicated box at the registration desk.

- **Useful phone number:** 06 07 32 62 57 (mobile) from Sunday 5 to Friday 10.

Room configuration in the Palais du Grand Large



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