Acknowledgements

The organisers of ICLP 2012 gratefully acknowledge support from

- **AIT-Budapest**
  - Aquincum Institute of Technology
  - [http://www.ait-budapest.com](http://www.ait-budapest.com)

- **Alerant Inc.**
  - [http://www.alerant.com](http://www.alerant.com)

- **Artificial Intelligence Section**
  - John von Neumann Computer Society
  - [http://www.njszt.hu/en](http://www.njszt.hu/en)

- **Budapest University of Technology and Economics**

- **Google Inc.**
  - through its Conference Grant for female computer scientists

Budapest pictures in this brochure, in the call for papers flyer and on the homepage were kindly provided by Alessandro Dal Palù.
## Contents

- **Acknowledgements** 2
- **Practical information** 4
- **Workshop ASPOCP 2012, Tuesday, 4th September** 6
- **Workshop CHR 2012, Tuesday, 4th September** 7
- **Workshop CICLOPS 2012, Tuesday, 4th September** 8
- **Doctoral Consortium 2012, Tuesday, 4th September** 9
- **Workshop WG 17, Tuesday–Wednesday, 4-5th September** 10
- **ICLP 2012 Conference**
  - 4th September 11
  - 5th September 12
  - 6th September 13
  - 7th September 15
  - 8th September 16
- **Workshop Co-LP 2012, Saturday, 8th September** 17
- **Workshop WCB 2012, Saturday, 8th September** 18
- **Workshop WLPE 2012, Saturday, 8th September** 19
Practical information

Venue
The Conference will take place at the Tulip Inn Budapest Millennium. The hotel is located along Úllői street, the main street connecting the airport with downtown area. The hotel is half way along the metro stations of Nagyvárad Tér and Népliget, on line M3, and is 10 min away from the center. Address: 1089 Budapest Úllői út 94-98, phone (+36 1) 4778000. Detailed tourist and travel information about Budapest can be obtained from here: http://www.budapestinfo.hu/index.php?id=home_en.

Organisation
The Conference is organised by John von Neumann Computer Society (NJSZT – Neumann János Számítógép-tudományi Társaság), a non-profit organisation of Hungarian computer professionals.

Registration
The registration desk is located behind the hotel lobby (when entering the hotel lobby from the street entrance).
The registration desk is open:

<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sept 4</td>
<td>8:00 – last session end</td>
</tr>
<tr>
<td>Sept 5</td>
<td>8:00 – last session end</td>
</tr>
<tr>
<td>Sept 6–8</td>
<td>8:30 – last session end</td>
</tr>
</tbody>
</table>

Cambridge University Press
The Cambridge University Press (CUP) stand is located in the registration area. When the stand is unmanned, please ask at the registration desk for information about CUP.

Breaks
Lunch breaks are each day between 13:00 and 14:00. Lunches are not included in the registration. Please order your lunch at the registration desk until 11:00. Lunch is served in the Hotel restaurant, right to the hotel lobby (when entering the hotel lobby from the street entrance).

Coffee breaks are included in the registration:

<table>
<thead>
<tr>
<th>Time</th>
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</thead>
<tbody>
<tr>
<td>each morning</td>
</tr>
<tr>
<td>10:30 – 11:00</td>
</tr>
<tr>
<td>each afternoon</td>
</tr>
<tr>
<td>15:30 – 16:00</td>
</tr>
</tbody>
</table>

During these breaks coffee, tea, refreshments and cakes are served in the registration area.

Conference Rooms
Room Millenium is located upstairs from the registration area. For parallel sessions it is subdivided into rooms Millenium I and Millenium II.
Room Feszty is located on the entrance level, to the right of the hotel lobby (looking from the street entrance). For parallel sessions it is subdivided into rooms Feszty I and Feszty II.
Apartment 238 is located on the second floor.
Conference Speakers

Speakers at the Workshops and the Conference are kindly requested to upload their presentation to the conference laptop \textit{before} the start of their session.

Banquet

The Conference Banquet will take place on \textit{Európa hajó} – ship Europe, departing from the docking place near Szilágyi Dezső tér (square), on the lower embankment of the Danube (Buda side), about 500 m south of the Batthyány tér metro station (line M2). You can board the ship from 19:30 and the ship will depart from the dock at 19:50. It is not possible to join the banquet after departure.

Directions to \textit{Európa hajó} from Batthyány tér metro station: Get to the surface, go towards the Danube, i.e. towards the Parliament buildings (bottom right picture on the cover page) seen on the other side of the river, then turn southwards towards the Chain Bridge (Lánchíd), bottom left picture on the cover page. When you reach a flight of stairs, go down to the lower embankment, cross the road and continue southwards on the river bank, for a few hundred meters.

A picture of \textit{Európa hajó} is shown at the bottom of page 19, courtesy Google Maps.
## ASPOCP 2012

**Answer Set Programming and Other Computing Paradigms**  
Fifth International Workshop  
**Tuesday, 4th September 2012**

**Millenium I**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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</thead>
<tbody>
<tr>
<td>08:00–</td>
<td>Registration</td>
</tr>
<tr>
<td>09:10–09:15</td>
<td>Workshop Opening</td>
</tr>
<tr>
<td>09:15–09:05</td>
<td>Invited Talk I</td>
</tr>
</tbody>
</table>
| 09:15–10:05 | Marc Denecker. *The FO(.) Knowledge Base System project: An Integration Project*  
| 10:05–10:30 | Johannes Klaus Fichte and Stefan Szeider. *Backdoors to Normality for Disjunctive Logic Programs*  
| 10:30–11:00 | Coffee Break                                                   |
| 11:00–11:25 | Vladimir Lifschitz and Fangkai Yang. *Lloyd-Topor Completion and General Stable Models*  
| 11:25–11:50 | Thomas Eiter, Michael Fink, Thomas Krennwallner, Christoph Redl and Peter Schüller. *Eliminating Unfounded Set Checking for HEX-Programs*  
| 11:50–12:15 | Joohyung Lee and Yunsong Meng. *Two New Definitions of Stable Models with Generalized Quantifiers*  
| 12:15–12:40 | Thomas Eiter, Michael Fink, Thomas Krennwallner, Christoph Redl and Peter Schüller. *Eliminating Unfounded Set Checking for HEX-Programs*  
| 12:40–13:05 | Joost Vennekens and Marc Denecker. *Extending FO(ID) with Knowledge Producing Definitions: Preliminary Results*  
| 13:05–14:15 | Lunch Break                                                   |
| 14:15–15:05 | Invited Talk II  
| 14:15–15:05 | Wolfgang Faber. *Preferences in Answer Set Programming*  
| 15:30–16:00 | Coffee Break                                                   |
| 16:00–16:25 | Mario Alviano and Wolfgang Faber. *Translating NP-SPEC into ASP*  
| 16:25–16:50 | Martin Gebser, Torsten Grote, Roland Kaminski, Philipp Obermeier, Orkunt Sabuncu and Torsten Schaub. *Answer Set Programming for Stream Reasoning*  
| 16:50–17:15 | Günther Charwat, Johannes Peter Wallner and Stefan Woltran. *Utilizing ASP for Generating and Visualizing Argumentation Frameworks*  
| 17:15–17:40 | Sandeep Chintabathina. *Planning and Scheduling in Hybrid Domains Using Answer Set Programming*  

ICLP 2012  
Budapest, Hungary
CHR 2012
Ninth International Workshop on Constraint Handling Rules
Tuesday, 4th September 2012
Feszty II

08:00– Coffee Break
08:00– Registration
10:30–10:55 Coffee Break
10:55–11:00 Workshop Opening
11:00–11:30 Ester Martínez, M. Teresa Escrig and Angel P. Del Pobil. Qualitative Velocity Model: Representation, Reasoning and Application
11:30–12:00 János Csorba, Zsolt Zombori and Péter Szeredi. Pros and Cons of Using CHR for Type Inference
12:00–12:30 Henning Christiansen. An adaptation of Constraint Handling Rules for Interactive and Intelligent Installations
12:30–13:00 Alia El Bolock, Amira Zaki and Thom Frühwirth. Substitution-based CHR Solver for Bivariate Binomial Equation Sets
13:00–14:00 Lunch Break
14:00–14:30 Amira Zaki, Thom Fruehwirth and Ilvar Geller. Parallel Execution of Constraint Handling Rules on a Graphical Processing Unit
14:30–15:00 Rémy Haemmerlé. Coinductive Proof over Streams as CHR Confluence Proofs
15:00–15:30 Veronica Dahl and Juan Emilio Miralles. Womb Grammars: Constraint Solving for Grammar Induction
15:30–16:00 Coffee Break
CICLOPS 2012
12th International Colloquium on Implementation of Constraint and LOgic Programming Systems
Tuesday, 4th September 2012

Millenium II

08:00– Registration
08:55–09:00 Workshop Opening

Invited Talk

09:00–10:00 Tom Schrijvers. Tor: Modular Search in Prolog
10:00–10:30 Rui Vieira, Ricardo Rocha and Fernando Silva. On Comparing Alternative Splitting Strategies for Or-Parallel Prolog Execution on Multicores

10:30–11:00 Coffee Break

11:00–11:30 Emilio Gallego, Rémy Haemmerlé, Jose F. Morales and Manuel Hermenegildo. The Ciao CLP(FD) Library
11:30–12:00 Jan Wielemaker. Extending the Logical Update View with Transaction Support
12:00–12:30 Zoé Drey, Jose F. Morales and Manuel Hermenegildo. Reversible Language Extensions and their Application in Debugging
12:30–13:00 Rui Machado, Salvador Abreu and Daniel Diaz. Parallel Local Search: Experiments with a PGAS-based programming model

13:00–14:00 Lunch Break

14:00–14:30 Neng-Fa Zhou and Jonathan Fruhman. Toward a Dynamic Programming Solution for the 4-peg Tower of Hanoi Problem with Configurations
14:30–15:00 João Santos and Ricardo Rocha. Efficient Support for Mode-Directed Tabling in the YapTab Tabling System
15:00–15:30 Terrance Swift. Profiling Large Tabled Computations using Forest Logging
15:30–16:00 Coffee Break

16:00–16:30 Anthony Monnet and Roger Villemaire. Efficient Partial Order CDCL Using Assertion Level Choice Heuristics
16:30–18:15 open.pl – A discussion on compatibility forums and support for user code repositories
# DC 2012

**Eighth ICLP Doctoral Consortium**  
**Tuesday, 4th September 2012**

**Feszty I**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
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<tbody>
<tr>
<td>08:00–</td>
<td>Registration</td>
</tr>
<tr>
<td>10:30–10:55</td>
<td>Coffee Break</td>
</tr>
<tr>
<td>10:55–11:00</td>
<td>Doctoral Consortium Opening</td>
</tr>
<tr>
<td>11:00–11:30</td>
<td>Spyros Hadjichristodoulou. <em>A Gradual Polymorphic Type System with Subtyping for Prolog</em></td>
</tr>
<tr>
<td>11:30–12:00</td>
<td>Emanuele De Angelis. <em>Software Model Checking by Program Specialization</em></td>
</tr>
<tr>
<td>12:00–12:30</td>
<td>Max Ostrowski. <em>ASP modulo CSP: The clingcon system</em></td>
</tr>
<tr>
<td>12:45–14:15</td>
<td>Organized lunch with experts from the field¹</td>
</tr>
<tr>
<td>14:30–15:00</td>
<td>Ben Wright. <em>Together, Is Anything Possible? A Look at Collective Commitments for Agents</em></td>
</tr>
<tr>
<td>15:00–15:30</td>
<td>Andrea Peano. <em>An ASP Approach for the Optimal Placement of the Isolation Valves in a Water Distribution System</em></td>
</tr>
<tr>
<td>15:30–16:00</td>
<td>Coffee Break</td>
</tr>
<tr>
<td>16:00–16:30</td>
<td>Christoph Redl. <em>Answer Set Programming with External Sources</em></td>
</tr>
<tr>
<td>16:30–17:00</td>
<td>Martin Dieguez Lodeiro. <em>Temporal Answer Set Programming</em></td>
</tr>
<tr>
<td>17:00–17:05</td>
<td>Closing</td>
</tr>
</tbody>
</table>

¹The lunch takes place in the same room as the Doctoral Consortium (Feszty I).
WG 17
ISO/IEC JTC1/SC22/WG17 standardization meeting
Tuesday–Wednesday, 4–5th September 2012

Tuesday, 4th September 2012 – Apartment 238

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>08:00</td>
<td>Registration</td>
</tr>
<tr>
<td>09:00–09:05</td>
<td>Workshop Opening</td>
</tr>
<tr>
<td>09:05–10:30</td>
<td>Approval of the Minutes of the Lexington meeting.</td>
</tr>
<tr>
<td></td>
<td>Approval of the Agenda.</td>
</tr>
<tr>
<td></td>
<td>Klaus Daessler. DCGs.</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>10:30–11:00</td>
<td>Coffee Break</td>
</tr>
<tr>
<td>11:00–13:00</td>
<td>Klaus Daessler. DCGs. (continued)</td>
</tr>
<tr>
<td>13:00–14:00</td>
<td>Lunch Break</td>
</tr>
<tr>
<td>14:00–15:30</td>
<td>Ulrich Neumerkel. Draft of Prolog “Prologue”</td>
</tr>
<tr>
<td>15:30–16:00</td>
<td>Coffee Break</td>
</tr>
<tr>
<td>16:00–17:00</td>
<td>Ulrich Neumerkel. Further Corrigenda</td>
</tr>
</tbody>
</table>

Wednesday September 5th – Feszty II

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>14:00–15:30</td>
<td>DCGs review</td>
</tr>
<tr>
<td>15:30–16:00</td>
<td>Coffee Break</td>
</tr>
<tr>
<td>16:00–17:00</td>
<td>Future of WG 17 Resolutions.</td>
</tr>
</tbody>
</table>

All times given on this page are approximate.
ICLP 2012 Conference

Tuesday, 4th September 2012

18:30–20:30 Welcome Reception in the Hotel restaurant

All ICLP talks are in room Millenium possibly subdivided to rooms Millenium I and Millenium II.
ICLP, Wednesday, 5th September 2012

08:00– Registration
08:45–09:00 ICLP 2012 Opening
ICLP 2012 is officially opened by Prof. Gábor Péceli, president of NJSZT

Invited Talk I
Chair: T. Schrijvers

09:00–10:00 Mike Elston. Prolog and CHR in Finance - An easier way to occupy Wall Street?

Session 1: Answer Set Programming
Chair: T. Schrijvers

10:00–10:30 Max Ostrowski and Torsten Schaub. ASP modulo CSP: The clingcon system

10:30–11:00 Coffee Break

Session 2: Answer Set Programming
Chair: T. Schaub

11:00–11:30 Thomas Eiter, Michael Fink, Thomas Krennwallner and Christoph Redl. Conflict-driven ASP Solving with External Sources

11:30–12:00 Marina De Vos, Doga Gizem Kisa, Johannes Oetsch, Jörg Pührer and Hans Tompits. Annotating Answer-Set Programs in LANA

12:00–12:30 Chitta Baral, Juraj Dzifcak, Marcos Gonzalez and Aaron Gottesman. Typed Answer Set Programming Lambda Calculus and Corresponding Inverse Lambda Algorithms

12:30–13:00 Bernhard Bliem, Michael Morak and Stefan Woltran. D-FLAT: Declarative Problem Solving Using Tree Decompositions and Answer-Set Programming

13:00–14:00 Lunch Break

Tutorial
Chair: M. Carro

14:00–15:30 Viviana Mascardi. Logic-based Agents and the Semantic Web

15:30–16:00 Coffee Break

Special Event
Chair: E. Pontelli

16:00–17:00 Jan Wielemaker. 25 Years of SWI-Prolog

Session 3: Implementation
Chair: E. Pontelli

17:00–17:30 Neng-Fa Zhou and Christian Theil Have. Efficient Tabling of Structured Data with Enhanced Hash-Consing

17:30–18:00 Jose F. Morales, Rémy Haemmerlé, Manuel Carro and Manuel Hermenegildo. Lightweight Compilation of (C)Lp to JavaScript

18:10–19:10 ALP Meeting
ICLP, Thursday, 6th September 2012

08:30– Registration

Session 4: Parallelism
Chair: Neng-Fa Zhou

09:00–09:30 Miguel Areias and Ricardo Rocha. *Towards Multi-Threaded Local Tabling Using a Common Table Space*

09:30–10:00 German Vidal. *Annotation of Logic Programs for Independent AND-Parallelism by Partial Evaluation*

10:00–10:30 Martin Gebser, Benjamin Kaufmann and Torsten Schaub. *Multi-threaded ASP Solving with clasp*

10:30–11:00 Coffee Break

11:00–13:00 The most influential ICLP papers from 10 and 20 years ago
Chairs: A. Dovier and V. Santos Costa

13:00–14:00 Lunch Break

ICLP Technical Communications - Parallel Sessions

TechComms 1: Knowledge Representation, Learning, and ASP
Chair: Ch. Baral, Room: *Millenium I*

14:00 15:30 Hendrik Blockeel, Bart Bogaerts, Maurice Bruynooghe, Broes De Cat, Stef De Pooter, Marc Denecker, Anthony Labarre, Jan Ramon and Sicco Verwer. *Modeling Machine Learning and Data Mining Problems with FO(·)*

Shanshan Liang and Nguyen Ha Vo. *Answering How/Why Questions Using a Frame-based Knowledge Base: A Case Study*

Marco Maratea, Luca Pulina and Francesco Ricca. *Applying Machine Learning Techniques to ASP Solving*

Marcello Balduccini. *An Answer Set Solver for non-Herbrand Programs: Progress Report*

Joohyung Lee and Yunsong Meng. *Stable Models of Formulas with Generalized Quantifiers*

Florian Schanda and Martin Brain. *Using Answer Set Programming in the Development of Verified Software*

Mutsunori Banbara, Naoyuki Tamura and Katsumi Inoue. *Generating Event-Sequence Test Cases by Answer Set Programming with the Incidence Matrix*

TechComms 2: Concurrency and FLP
Chair: G. Vidal, Room: *Millenium II*

14:00 15:30 Elvira Albert, Puri Arenas and Miguel Gomez-Zamalloa. *Towards Testing Concurrent Objects in CLP*

Slim Abdennadher and Nada Sharaf. *Visualization of Constraint Handling Rules through Source-to-Source Transformation*

Zsolt Zombori, János Csorba and Péter Széredi. *Static Type Inference for the Q language using Constraint Logic Programming*

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3The light gray background for the leftmost column indicates that the session runs in parallel with another one.
Michael Hanus. *Improving Lazy Non-Deterministic Computations by Demand Analysis*

Giovanni Bacci, Marco Comini, Marco A. Feliú and Alicia Villanueva. *The additional difficulties for the automatic synthesis of specifications posed by logic features in functional-logic languages*

Rafael Del Vado Vírseda, Fernando Pérez Morente and Marcos Miguel García Toledo. *A Concurrent Operational Semantics for Constraint Functional Logic Programming*

### 15:30–16:00 Coffee Break

#### TechComms 3: Answer Set Programming

Chair: Th. Eiter, **Room: Millenium I**

- Holger Hoos, Roland Kaminski, Torsten Schaub and Marius Schneider. *aspeed: ASP-based Solver Scheduling*
- Christian Drescher and Toby Walsh. *Answer Set Solving with Lazy Nogood Generation*
- Broes De Cat, Marc Denecker and Peter Stuckey. *Lazy model expansion by incremental grounding*
- Benjamin Andres, Benjamin Kaufmann, Oliver Matheis and Torsten Schaub. *Unsatisfiability-based optimization in clasp*
- Johannes Oetsch, Jörg Pührer and Hans Tompits. *An FLP-Style Answer-Set Semantics for Abstract-Constraint Programs with Disjunctions*
- Jia-Huai You, John Morris and Yi Bi. *Reconciling Well-Founded Semantics of DL-Programs and Aggregate Programs*
- Michael Morak and Stefan Woltran. *Preprocessing of Complex Non-Ground Rules in Answer Set Programming*

#### TechComms 4: Foundations

Chair: M. De La Banda, **Room: Millenium II**

- Vladimir Lifschitz. *Two-Valued Logic Programs*
- Juan Carlos Nieves and Helena Lindgren. *Possibilistic Nested Logic Programs*
- Marc Denecker, Yuliya Lierler, Mirek Truszczynski and Joost Vennekens. *A Tarskian Semantics for Answer Set Programming*
- Felicidad Aguado, Yuliya Lierler, Mirek Truszczynski and Joost Vennekens. *A Tarskian Semantics for Answer Set Programming*
- Wlodek Drabent. *Logic + control: An example*
- Paul Tarau. *Deriving a Fast Inverse of the Generalized Cantor N-tupling Bijection*
- Sergio Greco, Francesca Spezzano and Irina Trubitsyna. *On the Termination of Logic Programs with Function Symbols*
- Emilio Jésús Gallego Arias and James B. Lipton. *Logic Programming in Tabular Allegories*

### 18:00–20:00 Prolog Programming Contest
ICLP, Friday, 7th September 2012

08:30– Registration

Session 5
Chair: V. Dahl

09:00–09:30 Muhammad Islam, C. R. Ramakrishnan and I. V. Ramakrishnan. *Inference in Probabilistic Logic Programs with Continuous Random Variables*

09:30–10:00 Gregory Duck. *SMCHR: Satisfiability Modulo Constraint Handling Rules*

10:00–10:30 Best Doctoral Consortium Presentation
Chair: M. Gavanelli

10:30–11:00
Coffee Break

ICLP Technical Communications
TechComms 5: Applications of LP
Chair: A. Dal Palù, Room: Millenium

11:00–13:00 Taisuke Sato and Philipp Meyer. *Tabling for infinite probability computation*
Enrico Pontelli, Tiep Le, Hieu Nguyen and Tran Cao Son. *ASP at Work: An ASP Implementation of PhyloWS5*
Veronica Dahl, Bradley Coleman, Emilio Miralles and Erez Maharshak. *CHR for Social Responsibility*
Nuno Lopes, Sabrina Kirrane, Antoine Zimmermann, Axel Polleres and Alessandra Mileo. *A Logic Programming approach for Access Control over RDF*
Marina De Vos, Julian Padget, Vivana Novelli and Dina D’Ayala. *LOG-IDEAH: ASP for Architectonic Asset Preservation*
Xiaoping Chen, Guoqiang Jin and Fangkai Yang. *Extending C+ with Composite Actions for Robotic Task Planning*
Massimiliano Cattafi, Rosa Herrero, Marco Gavanelli, Maddalena Nonato and Juan José Ramos Gonzalez. *Improving Quality and Efficiency in Home Health Care: an application of Constraint Logic Programming for the Ferrara NHS unit*
Nathaniel Filardo and Jason Eisner. *A Flexible Solver for Finite Arithmetic Circuits*

13:00–14:00 Lunch Break

Session 6: Probabilistic, CHR, and SAT
Chair: M. Maher

14:00–14:30 Andrey Gorlin, C. R. Ramakrishnan and Scott Smolka. *Model Checking with Probabilistic Tabled Logic Programming*

14:30–15:00 Remy Haemmerlé. *Diagrammatic confluence for Constraint Handling Rules*

15:00–15:30 Amit Metodi and Michael Codish. *Compiling Finite Domain Constraints to SAT with BEE*

15:30–16:00 Coffee Break

Banquet speaker: Veronica Dahl
ICLP, Saturday, 8th September 2012

08:30– Registration

Invited Talk II
Chair: P. Szeredi

09:00–10:00 Ferenc Darvas. *Prolog for chemistry and drug discovery. A retrospective summary*

Session 7: Operational Semantics
Chair: P. Szeredi

10:00–10:30 Iliano Cervesato. *An Improved Proof-Theoretic Compilation of Logic Programs*

10:30–11:00 Coffee Break

Session 8: Logics and Models
Chair: M. Truszczynski

11:00–11:30 Michael Maher. *The Relative Expressiveness of Defeasible Logics*

11:30–12:00 Mario Alviano, Wolfgang Faber, Nicola Leone and Marco Manna. *Disjunctive Datalog with Existential Quantifiers: Semantics, Decidability, and Complexity Issues*


12:30–13:00 Vladimir Lifschitz, Karl Pichotta and Fangkai Yang. *Relational Theories with Null Values and Non-Herbrand Stable Models*

13:00 ICLP Close
Co-LP 2012
A workshop on Coinductive Logic Programming
Saturday, 8th September 2012
Feszty I

08:30–  Registration
10:30–10:55 Coffee Break
10:55–11:00 Workshop Opening

Session 1
11:00–11:30 Paulo Moura. Coinductive Logic Programming in Logtalk
11:30–12:00 Kyle Marple, Ajay Bansal, Richard Min and Gopal Gupta. Goal-directed Execution of Answer Set Programs with Coinduction
12:00–12:30 Davide Ancona and Elena Zucca. Translating Corecursive Featherweight Java in Coinductive Logic Programming
12:30–13:00 Ekaterina Komendantskaya, John Power and Martin Schmidt. Coalgebraic Logic Programming: implicit versus explicit resource handling

13:00–14:00 Lunch Break

Session 2
14:00–14:30 Neda Saeedloei and Gopal Gupta. Timed pi-Calculus and its Realization in Coinductive Constraint Logic Programming
14:30–15:00 Gopal Gupta, Kyle Marple, Brian DeVries, Feliks Klužniak, Richard Min, Neda Saeedloei and Tobias Haage. Coinductive Answer Set Programming or Consistency-based Computing
15:30–16:00 Coffee Break
WCB 2012
Workshop on Constraint Based Methods for Bioinformatics
Saturday, 8th September 2012

Feszty II

08:30– Registration
10:30–10:55 Coffee Break
10:55–11:00 Workshop Opening
11:00–11:30 Nicos Angelopoulos, Paul Shannon and Lodewyk Wessels. Search and Rescue: logic and visualisation of biochemical networks
11:30–12:00 Tom Kelsey and Steve Linton. Qualitative Models of Cell Population Dynamics as Constraint Satisfaction Problems
12:00–12:30 Enrico Pontelli, Tran Cao Son, Tiep Le and Ngoc-Hieu Nguyen. An ASP Implementation of PhyloWS
12:30–13:00 Martin Mann, Heinz Ekker, Peter F. Stadler and Christoph Flamm. Atom Mapping with Constraint Programming
13:00–14:00 Lunch Break
14:00–14:30 Federico Campeotto, Alessandro Dal Palù, Agostino Dovier, Ferdinando Fioretto and Enrico Pontelli. Protein Loop Modeling via Constraints and Fragment Assembly

Invited Talk
Christoph Flamm. Exploring Chemical Transformation Space
15:30–16:00 Coffee Break
16:00–17:00 Discussion
# WLPE 2012

22nd Workshop on Logic-based methods in Programming Environments

Saturday, 8th September 2012

**Millenium I**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>13:30–14:00</td>
<td>Registration</td>
</tr>
<tr>
<td>14:00–14:05</td>
<td>Workshop Opening</td>
</tr>
<tr>
<td>14:05–15:00</td>
<td>Invited Talk</td>
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<tr>
<td></td>
<td>Manuel Carro. <em>Constraint-Based Runtime Prediction of SLA Violations in Service Orchestrations</em></td>
</tr>
<tr>
<td>15:00–15:30</td>
<td>Session 1</td>
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<tr>
<td>15:00–15:30</td>
<td>Jan Wielemaker and Nicos Angelopoulos. <em>Syntactic integration of external languages in Prolog</em></td>
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<tr>
<td>15:30–16:00</td>
<td>Coffee Break</td>
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<tr>
<td>16:00–16:30</td>
<td>Session 2</td>
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<tr>
<td>16:00–16:30</td>
<td>Spyros Hadjichristodoulou and David Warren. <em>A Gradual Polymorphic Type System with Subtyping for Prolog</em></td>
</tr>
<tr>
<td>16:30–17:00</td>
<td>Romain Demeyer and Wim Vanhoof. <em>A Framework for Verifying the Application-Level Race-Freeness of Concurrent Programs</em></td>
</tr>
<tr>
<td>17:00–17:30</td>
<td>Sander Canisius and Nicos Angelopoulos. <em>Exploring file based databases via an Sqlite interface</em></td>
</tr>
</tbody>
</table>

## Banquet location

**Európa hajó (Ship Europe)**

![Ship Europe](image)

The ship is shown here at the boarding place. The church in the background is in Szilágyi Dezső tér.
# ICLP 2012 at a glance

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>9:00-10:00</td>
<td>ASPOCP, CICLOPS, WG17</td>
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<tr>
<td>10:00-10:30</td>
<td>Invited 1: Mike Elston, 2 TPLP Papers</td>
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<td>10.00-11.00 Special session 10 and 20 years</td>
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<tr>
<td>11:00-13:00</td>
<td>CHR, Doct. Consrtm, 4 TPLP Papers</td>
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<tr>
<td>14:00-15:30</td>
<td>Millenium I, Feszty II, Millenium II, Feszty I, Apt. 238, WG17, Tutorial: Viviana Mascardi, 7 + 6 Tech Comms, 3 TPLP Papers, Fezty I, Fezty II, WLPE</td>
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<tr>
<td>16:00-17:00</td>
<td>Feszty II, Special Event: Jan Wielemaker, 8 + 8 Tech Comms</td>
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<tr>
<td>17:00-18:00</td>
<td>Millenium I, WCB</td>
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<td>18:00-19:00</td>
<td>WELCOME RECEPTION: 18:30-20:30</td>
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<tr>
<td>19:00-20:00</td>
<td>ALP meeting, Prolog Prgr. Contest, BANQUET Cruise 19: 30-22:30</td>
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<td>20:00-21:00</td>
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<td>21:00-22:00</td>
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<td>22:00-23:00</td>
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