jfplc'97
ORLÉANS

Sixth French Conference on Logic and Constraint Programming

May 26-28, 1997 – Orléans – France

CALL FOR PARTICIPATION

http://www.univ-orleans.fr/LIFO/jfplc97

The French Conference on Logic and Constraint Programming and UNIF(*), the International Workshop on Unification, are jointly organized in Orléans this year. The aim of the meeting is to review recent research work on the conference topics with a particular focus on the interactions between the different aspects of logic programming, automated deduction, constraint resolution and their application domains. JFPLC'97 follows the series of previous meetings which took place in Clermont-Ferrand (96), Dijon (95), Bordeaux (94), Nîmes (93) and Lille (92).

The technical program of the conference includes three invited conferences, the presentations of fifteen refereed papers and a poster session. A full session is devoted to industrial participants. This session is jointly organized with Orléans-Technopole and focuses on products and applications of Constraint Programming.

The official JFPLC'97 languages are French and English.

The conference registration includes the proceedings, the three lunches, the hotel Groslot reception, the visit of the castle of Blois (one of the royal Loire castles), the conference banquet on the Loire river banks.

For any further details (scientific program, hotels, access to the site, registration form, etc.) see the web pages or contact the organizing committee.

(*) The UNIF'97 workshop organized by S. Anantharaman (University of Orléans) will be held on *May 28-30, 1997.* For any further information, please contact `unif97@lifo.univ-orleans.fr`.

Conference Site
Museum des Sciences Naturelles d'Orléans – 2 rue Marcel Proust – Orléans

Invited Lectures
Catuscia Palamidessi, Professor at Università di Genova
Jacques Carlier, Professor at Université de Technologie de Compiègne
John Alan Robinson, Professor Emeritus at Syracuse University

Social Events
Reception at the Mayor's house (renaissance building, hotel Groslot)
Visit of one of the royal Loire castles (castle of Blois)
Banquet on the Loire river banks

Correspondence
JFPLC'97 – LIFO – Faculté des Sciences – Université d'Orléans
4, Rue Léonard de Vinci – B.P. 6759 – 45067 ORLÉANS Cedex 2 – FRANCE

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M-C. Vilarem ... Mtpellier U, FRA

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`jfplc97@lifo.univ-orleans.fr`

Sponsors
Ministère de l'Éducation Nationale de l'Enseignement Supérieur et de la Recherche, Région Centre, Département du Loiret, Mairie d'Orléans, Université d'Orléans, CNRS, INRIA, CNET, European Network in Computational Logic, Orléans-Technopole, Ilog, Hitachi, PrologIA, Cosytec.

Program

May 26, 1997

8:30 – 9:15
Registration

9:15 – 9:30
Welcome speech

9:30 – 10:30
Invited lecture 1

- Catuscia Palamidessi, Professor at Università di Genova
  Constraint programming for concurrent and distributed computing

10:30 – 11:00
Coffee break

11:00 – 12:30
Session 1: **Languages and extensions**

- Donald A. Smith
  MixLog: a generalized rule-based language
- Jean-Hugues Réty
  A distributed concurrent constraint language
- Arnaud Lallouet
  DP-LOG: a data-parallel logic language

13:00 – 14:00
Lunch

14:30 – 16:00
Session 2: **Semantics**

- Maarten H. van Emden
  Canonical extensions as common basis for interval constraints and interval arithmetic
- Karine Liogier
  Constructive negation and two-valued models
- Viet Phan Luong
  Computing stable models of datalog programs with negation

16:00 – 16:30
Coffee break

16:30 – 18:00
Session 3: **Constraint satisfaction problems**

- Nicolas Barnier and Pascal Brisset
  Optimisation by hybridization of a CSP and a genetic algorithm
- Pierre Dago
  Valued dynamic backtracking
- Narendra Jussien and Patrice Boizumault
  Best first strategies for constraint relaxation

18:00
Poster session

19:00
AFPL meeting

Program

May 27, 1997

9:30 – 10:30
Invited lecture 2

- Jacques Carlier, Professor at Université de Technologie de Compiègne
  in collaboration with Eric Pinson, Université Catholique de l'Ouest
  Bounds and adjustments associated with the $Pm/r_i, q_i/C_{max}$ *scheduling problem*

10:30 – 11:00
Coffee break

11:00 – 12:30
Session 4: **Constraints**

- Eric Boucher and Bruno Legeard
  Exact optimisation tool in logic programming with set constraints
- Laurent Granvilliers
  Symbolic transformations and box consistency for continuous CSPs
- Christine Solnon
  Cooperation of linear solvers over the reals to solve linear integer problems

13:00 – 14:00
Lunch

14:00 – 19:00
Industrial session

14:00 – 15:45 Welcome speech, Olivier Jouin, Orléans Technopole

- Frédéric Benhamou
  Research topics in computing at University of Orléans
- Philippe Codognet
  Constraint programming: an introduction
- Abderrabmane Aggoun
  Modelling and solving industrial problems
- Kamel Heus
  The automatisation of staff scheduling, an example in a care units

15:45 – 16:30
Coffee break and system demonstrations

16:30 – 18:00

- Stéphane N'Dong
  Simulation systems for banking
  Maintenance planing
  Industrial process optimization
- Jean-Francois Puget
  Production scheduling, team planing, resource allocation, logistics...

18:00
Cocktail and system demonstrations

19:00
Reception at hotel Groslot

Program

May 28, 1997

JFPLC'97-UNIF'97 joint sessions

8:30 – 9:15
UNIF'97 registration

9:15 – 9:30
UNIF'97 welcome speech

9:30 – 10:30
Invited lecture 3

- John Alan Robinson, Professor Emeritus at Syracuse University
  Unification and resolution in retrospect

10:30 – 11:00
Coffee break

11:00 – 12:30
Session 5: **Resolution and optimisation**

- Jean-Michel Richer and Jean-Jacques Chabrier
  A problem resolution approach in logic based on constraint satisfaction techniques
- Olivier Roussel and Philippe Mathieu
  Exact logic compilation in predicate calculus: the partial achievement case
- Mathieu Jaume
  Formalization of SLD-resolution in the inductive construction calculus

13:00 – 14:00
Lunch

14:30
Excursion (Château de Blois)

19:30
Banquet

May 29, 1997

UNIF'97

May 30, 1997

UNIF'97

Practical Informations

Conference venue

The conference is located at

Museum des Sciences Naturelles d'Orléans 2 rue Marcel Proust – Orléans

The museum is located downtown, close to the railway station.
Access maps are available on the conference web pages where you will find indications for train and plane access.

Accomodation and lunch

A selection of convenient hotels situated downtown at walking distance of the Museum is available on the conference web server. Please note that the hotels in Orléans are often very busy and that early booking is strongly advised.
Lunch will be served at restaurant RIE Mairie – 2 rue des Anglaises – 45000 Orléans.

Social events

A reception will be organised on May 27 at hôtel Groslot, a renaissance building situated downtown at walking distance from the Museum and the Cathedral.
On May 28, a visit to the Château de Blois, one of the most spectacular royal castle of the Loire valley, followed by a banquet, will be organised for JFPLC'97 and UNIF'97 participants.

Industrial sessions

On May 27, the industrial sessions, co-organized with Orléans-Technopole, will be devoted to an introduction to constraint programming and its industrial applications. These sessions will be followed by a reception at hôtel Groslot. Participation to these sessions is included for the conference attendants. Registration to the industrial sessions alone is also possible (see registration form below).

UNIF'97 Workshop

The UNIF'97 workshop will take place in Orléans from May 28 to May 30, 1997. May 28 will include joint JFPLC'97-UNIF'97 events: invited lecture, parallel sessions, excursion and banquet.
If you wish to attend UNIF'97, please contact: `unif97@lifo.univ-orleans.fr`
Further details are available at URL: `http://www.univ-orleans.fr/LIFO/UNIF-JFPLC97/`

Conference fees

Registration should be paid by credit card (Visa, Mastercard, American Express). The registration form (see below) is to be sent to:

JFPLC'97 – LIFO – Faculté des Sciences – Université d'Orléans
4, Rue Léonard de Vinci – B.P. 6759 – 45067 ORLÉANS Cedex 2 – FRANCE

or alternatively faxed to `+33 2 38 41 71 37`.
Any further information regarding the conference can be obtained by contacting the organizing committee or at the conference web page at URL:

`http://www.univ-orleans.fr/LIFO/jfplc97`

JFPLC'97 - Registration Form

To be sent or faxed to

JFPLC'97 – LIFO
Faculté des Sciences – Université d'Orléans
4, Rue Léonard de Vinci
B.P. 6759
45067 ORLÉANS Cedex 2 – FRANCE
Fax: +33 2 38 41 71 37

Mrs ☐ Mr ☐

Name: ______________________ First name: ______________________

Affiliation: ____

Address: ____

Telephone: ______________________ Fax: ______________________

E-mail: ____

I will participate in the excursion and banquet: yes ☐ no ☐

Student (less than 26 years old)[1]: yes ☐ no ☐

[1] Join a student card or a certificate signed by the thesis advisor or department head.

			ALP/AFPL[2]
Conference fees before *April 25, 1997*	Student (less than 26 years old) Universities Other	800 FF ☐ 1400 FF ☐ 1700 FF ☐	700 FF ☐ 1200 FF ☐ 1500 FF ☐
Conference fees after *April 25, 1997*	Student (less than 26 years old) Universities Other	1000 FF ☐ 1600 FF ☐ 1900 FF ☐	900 FF ☐ 1400 FF ☐ 1700 FF ☐

[2] The ALP/AFPL fee is reserved to members of one of these associations.
Participants to JFPLC'96 must renew there subscription to ALP/AFPL.

Number of accompanying persons: ________ × 300 FF (excursion and banquet registration)

Registration to the industrial sessions only: 150 FF ☐

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☐ Payement by credit card to DUNOIS Voyages (licence N° 128003)

Visa ☐ Mastercard ☐ American Express ☐ Amount: ______________ FF

Card number: ______________________________ Expiry date: ___ / ___

I the undersigned, (name first name, please use capital letters) ______________________ , abide by the clauses of sale as defined by the Law N° 92.645 of the 13th of July 1992 and Decree N° 94.490 of the 15th of June 1994.

Date: ______________________ Signature: