

WFLP'02
11th International Workshop on Functional and (constraint)
Logic Programming
<http://www.dimi.uniud.it/~wflp2002/>
(preliminary call for participation)

University of Udine
Grado (Italy)
June 20-22, 2002

Conference Site:

Hotel Diana
Via G. Verdi, 3
I-34073, Grado (Gorizia), Italy
Tel. +39 043 182 247 / +39 043 180 026
Fax. +39 043 183 330
<http://www.hoteldiana.it/>

Organized by:

Dipartimento di Matematica e Informatica, University of Udine

with Contribution from:

- Azienda di promozione turistica di Grado e Aquileia.
- Consorzio Universitario del Friuli.
- Fondazione CRUP.
- Regione Autonoma Friuli Venezia Giulia.
- Università di Udine.
- MIUR.
- Cassa di Risparmio di Gorizia.
- Provincia di Gorizia.

Program Chair:

Moreno Falaschi U. Udine (IT)

Program Committee:

María Alpuente	U.P. Valencia (ES)
Sergio Antoy	Portland State Univ. (USA)
Manuel Chakravarty	Univ. of New South Wales, Sidney (AUS)
Rachid Echahed	IMAG, Grenoble (FR)
Francois Fages	INRIA Rocquencourt (FR)
Moreno Falaschi	Univ. of Udine (IT)
Thom Fruehwirth	LMU Munich (D)
Robert Glück	Waseda Univ. (JP) and DIKU (DK)
Michael Hanus	CAU Kiel (D)
Tetsuo Ida	Univ. of Tsukuba (JP)
Helene Kirchner	LORIA - INRIA Lorraine (FR)
Herbert Kuchen	Univ. of Muenster (D)
Michael Maher	Loyola Univ. Chicago (USA)
Juan Jose Moreno Navarro	UP Madrid (ES)
Ernesto Pimentel	U. Málaga (ES)
Mario Rodriguez-Artalejo	UC Madrid (ES)

Organizing Committee:

Gianluca Amato
Demis Ballis
Marco Comini (chairman)
Agostino Dovier
Moreno Falaschi
Luca Di Gaspero
Alicia Villanueva

Registration:

Registration must be made by filling the electronic REGISTRATION FORM in the WFLP'02 web site <http://www.dimi.uniud.it/~wflp2002/reg/reg.cgi> with related payment.

No forms will be processed without payment.

Registration includes:

- attendance at the conference tutorials, lectures and talks
- coffee breaks, lunches, and participation in the social events*
- one copy of the proceedings

	early registration (before June 5)	late registration (after June 5)
regular	250 Euro.	275 Euro.
students*	190 Euro.	210 Euro.
accompanying person**	100 Euro.	100 Euro.
additional copy of the proceedings	25 Euro.	25 Euro.

* The student registration fee does not include the social dinner.

** The fee for accompanying persons covers participation in the social events.

Payment:

Please make sure that:

- Your payment includes any banking or other fees so that the organisation of WFLP'02 receives the correct amount in Euro.
- Your bank arranges the transfer free of charges to the beneficiary.
- Your own name and the conference name is clearly legible in order to ensure that your payment will be correctly registered.
- Your payment includes a description stating that the money is intended for the registration to WFLP 2002.
- In order to apply the early registration rate, your registration and payments should be received by June 5.

In Italy: Payment must be made by money transfer.

Outside Italy: Payment must be made by international money transfer.

Late payment can be made in European Community currency cash at the registration desk. We regret that is not possible to accept cheques or credit cards.

Bank Account Information:

Beneficiary:	Dipartimento di Matematica e Informatica
Beneficiary address:	C/O Dipartimento di Matematica e Informatica Via delle Scienze 206 I-33100, Udine, Italy
Description:	Registration to WFLP 2002
Bank:	Cassa di Risparmio di Udine e Pordenone spa
Bank address:	Via del Monte, 1 I-33100, Udine, Italy
Account information for Italy transfers:	C/C TE0010102 ABI 6340 CAB 12315
Account information for outside Italy:	Acc. number TE0010102 CODE BIC (swift address) CRUP IT 2U

Social Events:

A welcome reception will be held on Thursday 20th.

On Friday 21st the participants are cordially invited to an excursion and a conference dinner.

Social events are offered to registered participants. For people accompanying the participants, please refer to the registration fees and registration form.

Travel Instructions:

The airport nearest to Grado is the **airport of TRIESTE** (Ronchi dei Legionari). The distance from Grado is about 25 Km and can be covered either by bus (see the following timetable, the fare is 2.10 Euro) or by Taxi (25 min.).

	M-Sa	M-Sa	Su	M-F	M-Sa
from Ronchi Airport to Grado	7:17 8:10	9:45 10:38	14:00 14:53	17:37 18:30	18:40 19:33
	M-Sa	M-Sa	M-Sa	M-Sa	D
from Grado to Ronchi Airport	5:45 6:39	8:10 9:04	10:40 11:34	13:35 14:29	17:20 18:14

M-Sa	only week days.
Su	on Sunday and holidays.
M-F	from Monday to Friday.
D	Daily.

Grado can be reached from the MARCO POLO **airport of VENEZIA**, as well, but it takes longer. You have to go to the Venezia-MESTRE railway station to take a train to the Cervignano-Aquileia-Grado railway station from where you can finally reach Grado.

From the airport to Venezia-MESTRE railway station you can take a bus (20 mins, 2.10 Euro) or a taxi (15 mins). You can find below the timetable of the bus from the airport to the rail station (More information in <http://www.atvo.it/>).

7:21M-Sa	7:34Su	7:51M-Sa	8:24M-Sa	8:51	8:59Su
9:21M-Sa	9:51	10:20	10:51M-Sa	10:54	11:29
11:51	12:15	12:51	13:21	16:21	16:54
17:21	17:59	18:21	18:50	19:14	19:21
20:00	20:21	20:24	21:20	22:10	22:50
23:30					

Then you can take a train From Venezia-MESTRE directed to TRIESTE and check that it stops at the station of Cervignano-Aquileia-Grado (More

Details in <http://www.trenitalia.com>). The following is the current train table. The timetable may change after June 1st. We will update it as soon as possible.

from Mestre FFSS	5:38	7:04	8:25	9:03	10:03	12:03
to Cervignano FFSS	6:49	8:21	9:35	10:16	11:16	13:16
	13:03	14:03	15:08	16:03	17:03	18:03
	14:16	15:16	16:23	17:16	18:16	19:16
	19:03	19:52	20:34	20:58	21:31	23:03
	20:16	21:03	21:42	22:05	22:42	00:36
	23:55					
	01:08					

The distance from Cervignano to Grado is about 16Km and can be covered either by bus (details in <http://www.apggorizia.it/>) or by Taxi. Below you can see the timetable of the bus to Grado.

from Cervignano FFSS	7:05	9:05	12:32	18:40
to Grado	7:30	9:32	12:59	19:07

Taxis are usually available outside the airports and railway stations. Grado's taxis can be booked or called directly at 0431-82300 or 0431-80055. Cervignano's taxis can be booked or called directly at 0431-32070 or 0431-30006 or 0431-35400 or 0431-32068

Conference Site:

The Conference is organized by the University of Udine, in Grado (Italy). Grado is an island located on the Adriatic coast in a beautiful lagoon. It is famous for its attractive beaches, for its Roman history, and for the pleasant middleeuropean atmosphere. Venezia is 100 km away and Trieste is 60 km away. The conference will be held at Hotel Diana where we have a special arrangement for the participants.

For further details consult <http://www.dimi.uniud.it/~wflp2002/>

Accommodation:

Prices are intended per person, per dia, Bed and Breakfast:

	Hotel Diana (★ ★ ★)
Single room	53.60 Euro.
Double room	41.60 Euro.

Reservations must be made directly with the HOTEL DIANA:

Hotel Diana
Via G. Verdi, 3
I-34073, Grado (Gorizia), Italy
Tel. +39 043 182 247 / +39 043 180 026
Fax. +39 043 183 330
<http://www.hoteldiana.it/>

Please make sure that you mention WFLP'02 when you make the reservation in order to get the reduced prices.

Since the conference is held during the turistic season, please book your room as soon as possible.

Program:

Thursday, June 20th

9:00 Registration

10:00 Invited Talk: Declarative Programming in the Post-Internet Era.
Yike Guo

11:00 Coffee-Break

11:30 FLP Session 1

11:30 An Operational Semantics for Declarative Multi-Paradigm Languages. *E. Albert, M. Hanus, F. Huch, J. Oliver and G. Vidal*

12:00 Lazy Narrowing and Needed Narrowing: A Comparison. *M. Alpuente, M. Falaschi, P. Julian and G. Vidal*

12:30 Demandness in Rewriting and Narrowing. *S. Antoy and S. Lucas*

13:00 Lunch

15:00 Formal Methods Session

15:00 Comparing Under and Over-Approximations of LTL Properties for Model Checking. *M.del Mar Gallardo, P. Merino and E. Pimentel*

15:30 Simulation Reduction as Constraint. *R. Gentilini, C. Piazza and A. Policriti*

16:00 Declarative Reflection and its Application as a Pattern Language. *A. Herranz-Nieva, J.J. Moreno-Navarro and N. Maya-Fernandez*

16:30 Coffee-Break

17:00 FLP Session 2

17:00 Programming Autonomous Robots in Curry. *M. Hanus and K. Höppner*

17:30 Order functional PTS systems. *F. Gutierrez and B. Ruiz*

18:00 Constraints Session

18:00 Scheduling Aircraft Using Constraint Satisfaction. *P. van Leeuwen, H.H. Hesselink and J.H.T. Rohling*

18:30 Curry and NoCLog: a study of concurrency through the dining philosophers problem. *R. Baudot and D. Cancila*

19:00 Welcome Reception

Friday, June 21th

9:00 Invited Talk: Programmable Type Systems for Domain Specific Languages.

Peter Thiemann

10:00 Debugging Session

10:00 Declarative Debugging for Encapsulated Search. *R. Caballero and W. Lux*

10:30 A Multi Paradigm Automatic Correction Scheme. *M. Alpuente, D. Ballis, F. Correa and M. Falaschi*

11:00 Coffee-Break

11:30 CLP Session 1

11:30 Using Secondary Structure Information for Protein Folding in CLP(FD). *M. Buratto, A. Dovier and F. Fogolari*

12:00 Set-Based Nondeterministic Declarative Programming in Singleton. *G. Rossi*

12:30 Interfacing a Functional Logic Language with a Finite Domain Solver. *T. Hortala-Gonzalez and F. Saenz-Perez*

13:00 Theoretical Foundations of Value Withdrawal Explanations for Domain Reduction. *G. Ferrand, W. Lesaint and A. Tessier*

13:30 Lunch

15:00 System Description Session

15:00 CurryDoc: A Documentation Tool for Declarative Programs. *M. Hanus*

15:15 Open CFLP: An Open System for Collaborative Constraint Functional Logic Programming. *N. Kobayashi, M. Marin, T. Ida and Z. Che*

15:30 VeriPolyTypes: a tool for Verification of Logic Programs w.r.t. Type Specifications. *M. Comini*

15:45 Source-to-Source Transformation for Constraint Handling Rules. *C. Holzbaur*

16:00 Social Events: Excursion and Dinner.

Saturday, June 22th

9:00 Invited Talk: Verification of logic programs based on constraints.
Giorgio Delzanno

10:00 Analysis Session

10:00 Dynamic Detection of Deterministic Computations in Non-Deterministic Functional-Logic Programs. *R. Caballero and F.J. Lopez-Fraguas*

10:30 Redundancy of Arguments Reduced to Induction. *M. Alpuente, R. Echahed, S. Escobar and S. Lucas*

11:00 Coffee-Break

11:30 CLP Session 2

11:30 An Implementation of Probabilistic Constraint Handling Rules.
T. Fruehwirth, A. Di Pierro and H. Wiklicky

12:00 CHR to model Soft Constraint Propagation and Solving. *S. Bistarelli, T. Fruehwirth, M. Marte and F. Rossi*

12:30 A Literate Programming System for Logic Programs with Constraints. *S. E. Torres*

13:00 The Constraint System of the Grammatical View of (Constraint) Logic Programmin. *G. Ferrand, A. Lallouet and J. Arsouze*

13:30 Lunch.

Program Schedule:

THURSDAY, 20	FRIDAY, 21	SATURDAY, 22
09:00 Registration	09:00 Invited talk <i>P. Thiemann</i>	09:00 Invited talk <i>Giorgio Delzanno</i>
10:00	10:00	10:00
Invited talk <i>Y. Guo</i> 11:00	Debugging Session 11:00	Analysis Session 11:00
Coffee Break	Coffee Break	Coffee Break
11:30 FLP Session 1 13:00	11:30 CLP Session 1 13:30	11:30 CLP Session 2 13:30
Lunch	Lunch	Lunch
15:00 Formal Methods Session 16:30	15:00 System Descriptions Session 16:00	
Coffee Break	Excursion and Dinner	
17:00 FLP Session 2		
18:00 Constraints Session		
19:00 Welcome Reception		