LAST CALL FOR PAPERS

19th International Workshop on Unification

UNIF'2005

April 22, 2005, Nara, Japan

UNIF is the main international meeting on unification. Unification is concerned with the problem of identifying given terms, either syntactically or modulo a given logical theory. Syntactic unification is the basic operation of most automated reasoning systems, and unification modulo theories can be used, for instance, to build in special equational theories into theorem provers.

The aim of UNIF'2005, as for the eighteen previous meetings, is to bring together people interested in unification, present recent (even ongoing) work, and discuss new ideas and trends in unification and related fields. This includes scientific presentations, but also descriptions of applications and softwares using unification as a strong component.

Organization Chair:

Laurent Vigneron
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Organization Committee:

Philippe de Groote	Nancy
Joseph Goguen	San Diego
Yuichi Kaji	Nara
Pawel Urzyczyn	Warsaw
Laurent Vigneron	Nancy

Important Dates:

Submission: February 5, 2005
(*** extended deadline ***)
by e-mail: vigneron@loria.fr
Notification: March 8, 2005
Final Version: March 21, 2005

Scope:

The meeting will include invited talks, contributed talks, and social time to discuss current topics of interest, which include (but are not limited to):

- Unification:
  - E-unification
  - String Unification
  - Context Unification
  - Disunification
  - Unification Algorithm
  - Higher-Order Unification
  - Combination problems
  - Typed Unification
- Related Topics:
  - Constraint Solving
  - Matching
  - Tree Descriptions
  - Narrowing
- Applications:
  - Automated Deduction
  - Rewriting
  - Grammars
  - Verification
  - Type Checking and Type Inference
  - Functional and Logic Programming
  - Computational Linguistics
- Implementations.

Submission:

Authors are invited to submit via e-mail an *abstract (1-5 pages)*, a *paper (no longer than 15 pages)*, or a *system description (no more than 5 pages)* in Postscript or PDF format to: vigneron@loria.fr
before **January 28, 2005**. Authors are encouraged to use LaTeX2ε and the Springer `llncs` class files, and will be expected to attend and present their work at the workshop.

Further Information:

In 2005, UNIF is organized as part of the Federated Conference on Rewriting, Deduction, and Programming (RDP), collocated with RTA (International Conference on Rewriting Techniques and Applications) and TLCA (International Conference on Typed Lambda Calculi and Applications), and several other affiliated workshops.

For regularly updated details on the workshop organization:

UNIF'2005 web site: http://rewriting.loria.fr/UNIF-2005/

For information on the UNIF workshops series: http://www.lsv.ens-cachan.fr/~treinen/unif/
For contacting the OC chair: vigneron@loria.fr

Location, Travel, Accomodation and Registration:

RDP takes place in Nara park, which is one of the most important cultural sights of Japan with some of the oldest and most impressive temples ans shrines. Airfares from Europe and US to Japan are not expensive in mi-April and the conference will offer reasonably priced accomodation and low registration fees.

RDP'2005 web site: http://www.kurims.kyoto-u.ac.jp/rdp05/