

FroCoS 2005

5th International Workshop on Frontiers of Combining Systems

September 19-21, 2005, Vienna, Austria

FINAL CALL FOR PAPERS

NEW: Submission deadline (extended): May 22, 2005

Important Dates

Submission May 22, 2005
Notification June 27, 2005
Final versions July 14, 2005

Invited Speakers

L. de Alfaro (U California, S. Cruz)
S. Ghilardi (U Milano)
F. Giunchiglia (U Trento & ITC-IRST)
E. Monfroy (U Nantes & UTFSM)

Program Committee

A. Armando (U Genova)
F. Baader (TU Dresden)
C.W. Barrett (NYU New York)
F. Benhamou (LINA, U Nantes)
M. Bidoit (LSV, CNRS & ENS Cachan)
J. Calmet (U Karlsruhe)
J. Giesl (RWTH Aachen)
B. Gramlich (TU Wien)
D. Kapur (UNM Albuquerque)
M. Marx (U Amsterdam)
J. Niehren (INRIA Futurs, U Lille)
C. Ringeissen (LORIA-INRIA Nancy)
M. Schmidt-Schauss (U Frankfurt)
C. Tinelli (U Iowa)
A. Tiwari (SRI Menlo Park)
F. Wolter (U Liverpool)

Program and Conference Chair

Bernhard Gramlich
TU Wien
Favoritenstr. 9 – E185/2
A-1040 Wien, Austria
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Organizing Committee

A. Binder, B. Gramlich, F. Gusel
G. Salzer, J. Srna

The **FroCoS** workshop series traditionally focuses on research questions and problems in the general area of combination, modularization and integration of systems (with emphasis on logic-based ones), and of their practical use. Like its predecessors, **FroCoS 2005** wants to offer a common forum for related research activities, thus promoting progress in this important field.

Topics: Typical topics of interest include (but are not limited to):

- combination of logics (e.g., modal logics, logics in AI);
- combination of decision procedures, of satisfiability procedures, and of constraint solving techniques (e.g., unification and matching algorithms, general symbolic constraints, numerical constraints);
- combinations and modularity in term rewriting;
- integration of equational and other theories into deductive systems (e.g., theory resolution, constraint resolution, constraint paramodulation);
- combination of deduction systems and computer algebra;
- integration of data structures (e.g., sets, multisets, lists) into CLP formalisms and deduction processes;
- model/problem analysis and decomposition (e.g., isolating tractable or loosely connected sub-problems, global constraints design)
- hybrid methods for deduction, resolution and constraint propagation (e.g., combinations of local and global, complete and propagation techniques)
- hybrid systems in computational linguistics, knowledge representation, natural language semantics, and human computer interaction;
- logical modelling of multi-agent systems;
- logical aspects of combining and modularizing programs and specifications.

Submissions: Submissions must be original and not submitted for publication elsewhere. Submitted papers must conform to the Springer LNCS style, preferably using LaTeX2e and the Springer llncs class files. Submission categories include full papers, for work on foundations, applications, implementation techniques, and problem sets (up to 15 pages), as well as system descriptions (up to 8 pages), for describing publicly available systems. The **(extended) submission deadline is May 22, 2005** for titles, abstracts, and papers. For further information and submission instructions see the FroCoS 2005 web page: <http://www.logic.at/froc05/>.

Proceedings: Accepted papers will appear in the proceedings of the conference, published as a volume of the Lecture Notes in Artificial Intelligence (LNAI) series, Springer-Verlag. Proceedings will be available at the time of the conference.

Venue, Location, Travel, Accommodation, Registration: FroCoS 2005 will take place at TU Wien which is located right in the heart of Vienna. The city is one of the most beautiful cultural centres in Europe. As a centre of musical life, Vienna is famous for its Opera House and Festivals. Moreover it plays a major role as a bridge between East and West. Today Vienna combines modern life style with the spirit of the past.

Detailed information about Vienna, the location, travelling, accommodation and registration will be available via the

FroCoS 2005 web site: <http://www.logic.at/froc05/>