

# Preface

This volume contains the proceedings of the 13th International Conference on Rewriting Techniques and Applications (RTA 2002), which was held July 22-24, 2002 in Copenhagen as part of the 3rd Federated Logic Conference (FLoC 2002). RTA is the major international forum for the presentation of research on all aspects of rewriting. Previous RTA conferences took place in Dijon (1985), Bordeaux (1987), Chapel Hill (1989), Como (1991), Montreal (1993), Kaiserslautern (1995), Rutgers (1996), Sitges (1997), Tsukuba (1998), Trento (1999), Norwich (2000), and Utrecht (2001).

A total of 20 regular papers, 2 application papers and 4 system descriptions were selected for presentation from 49 submissions from Argentina (1), Brazil ( $\frac{2}{3}$ ), Czech Republic (1), France (13), Germany (8), Israel ( $\frac{1}{3}$ ), Italy ( $1\frac{5}{6}$ ), Japan (6), The Netherlands (2), Poland (1), Portugal ( $1\frac{1}{3}$ ), Rumania (1), Spain (4), UK ( $\frac{5}{6}$ ), Uruguay ( $\frac{1}{2}$ ), USA ( $5\frac{1}{2}$ ), Venezuela (1). The program committee awarded the *best paper* prize to Paul-André Melliès for his paper *Residual Theory Revisited*. This paper presents an elegant and subtle generalization of Jean-Jacques Lévy's residual theory.

I am especially grateful to the invited speakers Franz Baader, John Mitchell, and Natarajan Shankar for accepting our invitation to present us their insights into their research areas.

Many people helped to make RTA 2002 a success. I thank the members of the program committee for their demanding work in the evaluation process. I thank also the numerous external referees for reviewing the submissions and maintaining the high standards of the RTA conference. It is a great pleasure to thank Thomas Arts who was in charge of the local organization. I would also express my gratitude to Anne-Cécile Caron for her assistance in many of my tasks as the program chair. Finally, I thank the FLoC 2002 Organizing Committee and the Local Organization Committee for all their hard work.

May 2002

Sophie Tison

# Conference Organization

## Program Chair

Sophie Tison                                      University of Lille

## Conference Chair

Thomas Arts                                      Ericsson, Computer Science Laboratory

## Program Committee

Andrea Corradini	University of Pisa
Daniel J. Dougherty	Wesleyan University
Jürgen Giesl	RWTH Aachen
Bernhard Gramlich	Vienna University of Technology
Thérèse Hardin	University of Paris VI
Christopher Lynch	Clarkson University
Jerzy Marcinkowski	University of Wrocław
Aart Middeldorp	University of Tsukuba
Joachim Niehren	University of Saarland
Femke van Raamsdonk	Free University Amsterdam
Albert Rubio	Technical University of Catalonia
Sophie Tison	University of Lille
Ralf Treinen	University of Paris XI

## Steering Committee

Franz Baader	Dresden
Leo Bachmair	Stony Brook
Hélène Kirchner	Nancy
Pierre Lescanne	Lyon (publicity chair)
Jose Meseguer	Menlo Park
Aart Middeldorp	Tsukuba (chair)

**List of External Referees**

Yves André	Dieter Hofbauer	Alexandre Riazanov
Jürgen Avenhaus	Patricia Johann	Christophe Ringeissen
Steffen van Bakel	Gueorgui Jojgov	Andreas Rossberg
Sebastian Bala	Wolfram Kahl	Michael Rusinowitch
Paolo Baldan	Lukasz Kaiser	Cesar Sanchez
Inge Bethke	Zurab Khasidashvili	Christelle Scharff
Stefano Bistarelli	Alexander Koller	Manfred Schmidt-Schauß
Roel Bloo	Pierre Lescanne	Aleksy Schubert
Manuel Bodirsky	Martin Leucker	Klaus U. Schulz
Benedikt Bollig	Jean-Jacques Lévy	Jan Schwinghammer
Eduardo Bonelli	Jordi Levy	Helmut Seidl
Sander Bruggink	James B. Lipton	Géraud Sénizergues
Roberto Bruni	Sébastien Limet	Jürgen Stuber
Venanzio Capretta	Daniel Loeb	Zhendong Su
Anne-Cécile Caron	Salvador Lucas	Taro Suzuki
Witold Charatonik	Denis Lugiez	Gabriele Taentzer
Horatiu Cirstea	Luc Maranget	Jean-Marc Talbot
René David	Massimo Marchiori	Ashish Tiwari
Roberto Di Cosmo	Ralph Matthes	Hélène Touzet
Gilles Dowek	Paul-André Melliès	Yoshihito Toyama
Irène Durand	Oskar Miś	Tomasz Truderung
Joost Engelfriet	Markus Mohnen	Xavier Urbain
Katrin Erk	Benjamin Monate	Paweł Urzyczyn
Maribel Fernández	César A. Muñoz	Sándor Vágvölgyi
Jean-Christophe Filliâtre	Robert Nieuwenhuis	Laurent Vigneron
Andrea Formisano	Thomas Noll	Mateu Villaret
Fabio Gadducci	Enno Ohlebusch	Christian Vogt
Silvia Ghilezan	Paweł Olszta	Johannes Waldmann
Isabelle Gnaedig	Vincent van Oostrom	Freek Wiedijk
Guillem Godoy	Dmitrii V. Pasechnik	Herbert Wiklicky
Philippe de Groote	Jorge Sousa Pinto	Claus-Peter Wirth
Stefano Guerrini	Detlef Plump	Hans Zantema
Rolf Hennicker	Jaco van de Pol	Wieslaw Zielonka
Miki Hermann	Tim Priesnitz	
Thomas Hillenbrand	Pierre Réty	