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	Nota di contenuto	Session 1 -- Solved Forms for Path Ordering Constraints -- Jeopardy -- Strategic Pattern Matching -- Session 2: -- On the Strong Normalization of Natural Deduction with Permutation-Conversions -- Normalisation in Weakly Orthogonal Rewriting -- Strong Normalization of Proof Nets Modulo Structural Congruences -- Session 3: Invited Talk -- Hierarchical Graph Decompositions Defined by Grammars and Logical Formulas -- Session 4: -- Undecidability of the Part of the Theory of Ground Term Algebra Modulo an AC Symbol -- Deciding the Satisfiability of Quantifier Free Formulae on One-Step Rewriting -- A New Result about the Decidability of the Existential One-Step Rewriting Theory -- Session 5: -- A Fully Syntactic AC-RPO -- Theory Path

Orderings -- A Characterisation of Multiply Recursive Functions with Higman's Lemma -- Session 6: -- Deciding the Word Problem in the Union of Equational Theories Sharing Constructors -- Normalization via Rewrite Closures -- Test Sets for the Universal and Existential Closure of Regular Tree Languages -- Session 7: Invited Tutorial -- Higher-Order Rewriting -- Session 8: System Descriptions -- The Maude System -- TOY: A Multiparadigm Declarative System -- UniMoK: A System for Combining Equational Unification Algorithms -- : A Laboratory for Rapid Term Graph Rewriting -- Session 9: -- Decidability for Left-Linear Growing Term Rewriting Systems -- Transforming Context-Sensitive Rewrite Systems -- Context-Sensitive AC-rewriting -- Session 10: -- The Calculus of Algebraic Constructions -- HOL-??: An Intentional First-Order Expression of Higher-Order Logic -- Session 11: Invited Talk -- On the Connections between Rewriting and Formal Language Theory -- Session 12: -- A Rewrite System Associated with Quadratic Pisot Units -- Fast Rewriting of Symmetric Polynomials -- OnImplementation of Tree Synchronized Languages.

Sommario/riassunto	This volume contains the proceedings of the 10th International Conference on RewritingTechniques andApplicationsheldfromJuly2-4,1999inTrento, Italy, as part of the Federated Logic Conference (FLoC'99). The RTAconferences are dedicated to all aspects of term, string and graph rewriting as well as their applications such as lambda calculi, theorem-proving, functional programming, decision procedures. The program committee selected 23 papers as well as 4 system descriptions from 53 submissions of overall high quality (46 regular papers and 7 systems descriptions). The papers cover awide range of topics: constraint solving, ter- nation,deductionandhigher-orderrewriting,graphs,complexity,tree automata, context-sensitive rewriting, string rewriting and numeration systems::: by - thors from countries including: France, Germany, India,Israel, Italy,Japan, The Netherlands, Poland, Portugal, Spain, USA. B. Courcelle (Univ. Bordeaux) and F. Otto (Univ. Kassel) presented - vited talks, on graph grammars and connections between rewriting and formal language theory respectively. F. van Raamsdonk (CWI, Amsterdam) gave an invited tutorial on higher-order rewriting. Wewouldliketothanktheexternalreviewersfortheircontributiontoprep-ing the program and Horatiu Cirstea for his help in maintaining the web server of the program committee.