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Nota di contenuto	Invited Paper -- ILP: Just Do It -- Contributed Papers -- A New Algorithm for Learning Range Restricted Horn Expressions -- A Refinement Operator for Description Logics -- Executing Query Packs in ILP -- A Logical Database Mining Query Language -- Induction of Recursive Theories in the Normal ILP Setting: Issues and Solutions -- Extending K-Means Clustering to First-Order Representations -- Theory Completion Using Inverse Entailment -- Solving Selection Problems Using Preference Relation Based on Bayesian Learning -- Concurrent Execution of Optimal Hypothesis Search for Inverse Entailment -- Using ILP to Improve Planning in Hierarchical Reinforcement Learning -- Towards Learning in CARIN-ALN -- Inverse Entailment in Nonmonotonic Logic Programs -- A Note on Two Simple Transformations for Improving the Efficiency of an ILP System -- Searching the Subsumption Lattice by a Genetic Algorithm -- New Conditions for the Existence of Least Generalizations under Relative Subsumption.
Sommario/riassunto	Thisvolumecontainsoneinvitedand'fteensubmittedpaperspresentedatthe Tenth International Conference on Inductive Logic Programming (ILP2000). The'fteenacceptedpaperswereselectedbytheprogramcommitteefromthe 37paperssubmittedtotheconference. Eachpaperwascarefullyreviewedby threereferees. ILP2000washeldatImperialCollege,London,24-27July2000andwasin- grated with the First International Conference on Computational Logic (CL2000). With ILP''s strong roots in computational logic, this was a na- ralmarriage. CL2000wasa've-dayextravaganza,incorporatingboththeSixth InternationalConferenceonRulesandObjectsinDatabases(DOOD2000)and theTenthInternationalWorkshoponLogic-basedProgramSynthesisandTra- formation(LOPSTR2000) andfeaturingeightinvitedspeakers,twelvetutorials, andsevena'liatedworkshops. RegistrantsforCL2000andILP2000couldmove freelybetweenthetwoevents, themaindistinctionbetweentheeventsbeings-arateconferenceproceedings. Wewishtothankalltheauthorswhosubmittedtheirpaperstoilp2000; theprogramcommitteemembers, andotherreviewerswhodidathoroughjobin spiteofdemandingdeadlines; andourinvitedspeaker,DavidPage. Thanksalso toAlfredHofmann, andeveryoneelseatSpringerfortheirsmoothhandlingof theseproceedings. WewouldalsoliketothanktheorganisersofCL2000,whose cooperation brought the two events together: John Lloyd (Program Chair), Marek Sergot (Conference Chair), Frank Kriwaczek and Francesca Toni (-calOrganisers),FemkevanRaamsdonk(PublicityChair)andSandroEtalle (Workshop Chair). Finally, we are grateful to our sponsors for their ?nancial support. May2000 JamesCussens&AlanFrisch ProgramChairs ILP2000 ILP2000 Program Committee HenrikBostr¨om (UniversityofStockholm,Sweden) IvanBratko(UniversityofLjubljana, Slovenia) JamesCussens(UniversityofYork,UK) Shan-HweiNienhuys-Cheng(UniversityofRotterdam,Netherlands) WilliamCohen (WhizbangsLabs,USA) LucDeRaedt(UniversityofFreiburg,Germany) Sa'soD'zeroski(Jo'zefStefanInstitute,Ljubljana) PeterFlach (UniversityofBristol,UK) AlanFrisch(UniversityofYork,UK) KoichiFurukawa

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Abstract. Inductivelogicprogramming(ILP)isbuiltonafoundation laidbyresearchinotherareasofcomputationallogic. Butinspiteofthis strongfoundation,at10yearsofageILPnowfacesanumberofnewch- lengesbroughtonbyexcitingapplicationopportunities.