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Autore	Poisel Richard
Titolo	Information warfare and electronic warfare systems // Richard A. Poisel ; Vicki Kane, cover design
Pubbl/distr/stampa	Boston, Massachusetts : , : Artech House, , 2013 [Piscataway, New Jersey] : , : IEEE Xplore, , [2013]
ISBN	1-60807-706-3
Descrizione fisica	1 online resource (433 p.)
Collana	Artech House electronic warfare library
Disciplina	623.043
Soggetti	Electronics in military engineering Information warfare Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Information Warfare and Electronic Warfare Systems; Contents; Preface; Chapter 1 Introduction to Information Warfare and Electronic Warfare Systems; 1.1 Introduction; 1.2 Global Information Grid; 1.3 Networks; 1.3.1 Operational and Strategic; 1.3.2 Tactical; 1.4 Information and Information Theory; 1.4.1 Network-Centric Operations Background and Characteristics; 1.5 Electronic Warfare and NCO; 1.5.1 EW and Networking; 1.6 EW Systems; 1.6.1 ES Systems; 1.6.2 EA Systems; 1.7 Concluding Remarks; References; Chapter 2 Information and Information Operations; 2.1 Introduction; 2.2 Information. 2.2.1 The Importance of Information to Warfare2.2.2 Information Sources; 2.2.3 Information Attributes; 2.2.4 EW and Its Effects on Information; 2.3 OODA Loop and Cognitive Hierarchy; 2.3.1 The OODA Loop Model; 2.3.2 Cognitive Hierarchy Model; 2.4 Information Operations; 2.4.1 Information Warfare/Information Operations; 2.4.2 Three Domains o.
Sommario/riassunto	Information warfare is emerging as the new war fighting paradigm of the U.S. and many of its allies. This book is the first in the field to address communication electronic warfare (EW) systems in the context of information warfare. Authored by a recognized leading authority, the book includes a unique formulation of EW system performance and

presents results of system simulations that have not appeared previously in any related literature. Essential reading for EW engineers and researchers working in defense, aerospace, and military capacities, the book explores the properties of information,

2. Record Nr.	UNISA996465911403316
Titolo	Inductive Logic Programming [[electronic resource] ] : 15th International Conference, ILP 2005, Bonn, Germany, August 10-13, 2005, Proceedings / / edited by Stefan Kramer, Bernhard Pfahringer
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2005
Edizione	[1st ed. 2005.]
Descrizione fisica	1 online resource (XIV, 434 p.)
Collana	Lecture Notes in Artificial Intelligence ; ; 3625
Disciplina	005.1/15
Soggetti	Software engineering Artificial intelligence Computer programming Mathematical logic Algorithms Software Engineering/Programming and Operating Systems Artificial Intelligence Programming Techniques Mathematical Logic and Formal Languages Algorithm Analysis and Problem Complexity
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Research Papers -- An Output-Polynomial Time Algorithm for Mining Frequent Closed Attribute Trees -- Guiding Inference Through Relational Reinforcement Learning -- Converting Semantic Meta-knowledge into Inductive Bias -- Learning Teleoreactive Logic Programs from Problem Solving -- A Framework for Set-Oriented Computation in Inductive Logic Programming and Its Application in Generalizing

Inverse Entailment -- Distance Based Generalisation -- Automatic Induction of Abduction and Abstraction Theories from Observations -- Logical Bayesian Networks and Their Relation to Other Probabilistic Logical Models -- Strategies to Parallelize ILP Systems -- Inducing Causal Laws by Regular Inference -- Online Closure-Based Learning of Relational Theories -- Learning Closed Sets of Labeled Graphs for Chemical Applications -- ILP Meets Knowledge Engineering: A Case Study -- Spatial Clustering of Structured Objects -- Generalization Behaviour of Alkemic Decision Trees -- Predicate Selection for Structural Decision Trees -- Induction of the Indirect Effects of Actions by Monotonic Methods -- Probabilistic First-Order Theory Revision from Examples -- Inductive Equivalence of Logic Programs -- Deriving a Stationary Dynamic Bayesian Network from a Logic Program with Recursive Loops -- A Study of Applying Dimensionality Reduction to Restrict the Size of a Hypothesis Space -- Polynomial Time Inductive Inference of TTSP Graph Languages from Positive Data -- Classifying Relational Data with Neural Networks -- Efficient Sampling in Relational Feature Spaces -- Invited Papers -- Why Computers Need to Learn About Music -- Tutorial on Statistical Relational Learning -- Machine Learning for Systems Biology -- Five Problems in Five Areas for Five Years.

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## Sommario/riassunto

1 “Change is inevitable.” Embracing this quote we have tried to carefully experiment with the format of this conference, the 15th International Conference on Inductive Logic Programming, hopefully making it even better than it already was. But it will be up to you, the inquisitive reader of this book, to judge our success. The major changes comprised broadening the scope of the conference to include more diverse forms of non-propositional learning, to once again have tutorials on exciting new areas, and, for the first time, to also have a discovery challenge as a platform for collaborative work. This year the conference was co-located with ICML 2005, the 22nd International Conference on Machine Learning, and also in close proximity to IJCAI 2005, the 19th International Joint Conference on Artificial Intelligence. - location can be tricky, but we greatly benefited from the local support provided by Codrina Lauth, Michael May, and others. We were also able to invite all ILP and ICML participants to shared events including a poster session, an invited talk, and a tutorial about the exciting new area of “statistical relational learning”. Two more invited talks were exclusively given to ILP participants and were presented as a kind of stock-taking—fittingly so for the 15th event in a series—but also tried to provide a recipe for future endeavors.

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