1. Record Nr. UNISA996216083403316

Titolo	Ceramic industry
Pubbl/distr/stampa	[Troy, Mich., etc.] : , : [Business News Pub. Co., etc.]
ISSN	2328-4072
Disciplina	338.47666
Soggetti	Ceramics Web sites. Periodicals.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Periodico
Note generali	Annual special issue has title: Data book issue, 1985-1986; Data book, 1987-1988; Data book & buyers guide, 1989-1994/95; Buyers guide issue, 1995/96; Data book (1996), 1996; Data book and buyers guide issue (1997), 1997/98-

2. Record Nr. UNISA996466054603316

Titolo	Interactive Theorem Proving : Second International Conference, ITP 2011, Berg en Dal, The Netherlands, August 22-25, 2011, Proceedings / / edited by Marko Van Eekelen, Herman Geuvers, Julien Schmaltz, Freek Wiedijk
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2011
ISBN	3-642-22863-1
Edizione	[1st ed. 2011.]
Descrizione fisica	1 online resource (XI, 383 p.)
Collana	Theoretical Computer Science and General Issues, , 2512-2029 ; ; 6898
Disciplina	005.1015113
Soggetti	Computer science Software engineering Machine theory Compilers (Computer programs) Artificial intelligence Computer programming Computer Science Logic and Foundations of Programming Software Engineering Formal Languages and Automata Theory Compilers and Interpreters Artificial Intelligence Programming Techniques
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	Towards verification of product lines (abstract) / Don Batory -- Advances in the formalization of the odd order theorem / Georges Gonthier -- Logical formalisation and analysis of the Mifare classic card in PVS / Bart Jacobs, Ronny Wichers Schreur.
Sommario/riassunto	This book constitutes the refereed proceedings of the Second International Conference on Interactive Theorem proving, ITP 2011, held in Berg en Dal, The Netherlands, in August 2011. The 25 revised full papers presented were carefully reviewed and selected from 50

		submissions. Among the topics covered are counterexample generation, verification, validation, term rewriting, theorem proving, computability theory, translations from one formalism to another, and cooperation between tools. Several verification case studies were presented, with applications to computational geometry, unification, real analysis, etc.

3.	Record Nr.	UNINA9910255336603321
	Autore	Pereira Luis Moniz
	Titolo	Programming Machine Ethics / / by Luís Moniz Pereira, Ari Saptawijaya
	Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2016
	ISBN	9783319293547 3319293540
	Edizione	[1st ed. 2016.]
	Descrizione fisica	1 online resource (182 p.)
	Collana	Studies in Applied Philosophy, Epistemology and Rational Ethics, , 2192-6255 ; ; 26
	Disciplina	629.892
	Soggetti	Engineering ethics Artificial intelligence Cognitive psychology Robotics Automation Computational intelligence Engineering Ethics Artificial Intelligence Cognitive Psychology Robotics and Automation Computational Intelligence
	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	Foreword; Preface; Scope; Content; Reading Paths; Audience; Acknowledgments; Contents; 1 Turing, Functionalism, and Emergence;

1.1 Turing Is Among Us; 1.2 Functionalism; 1.3 Emergence; 1.4 Concluding Remarks; References; Part I The Individual Realm; 2 The Individual Realm of Machine Ethics: A Survey; 2.1 Truth-Teller and SIROCCO; 2.2 Jeremy and W.D.; 2.3 MedEthEx and EthEl; 2.4 A Kantian Machine Proposal; 2.5 Machine Ethics via Theorem Proving; 2.6 Particularism versus Generalism; 2.7 Concluding Remarks; References; 3 Significant Moral Facets Amenable to Logic Programming
3.1 Moral Permissibility3.1.1 The Doctrines of Double Effect and Triple Effect; 3.1.2 Scanlonian Contractualism; 3.2 The Dual-Process Model; 3.3 Counterfactual Thinking in Moral Reasoning; 3.4 Concluding Remarks; References; 4 Representing Morality in Logic Programming; 4.1 Preliminaries; 4.2 Abduction; 4.3 Preferences Over Abductive Scenarios; 4.4 Probabilistic LP; 4.5 LP Updating; 4.6 LP Counterfactuals; 4.7 Tabling; 4.8 Concluding Remarks; References; 5 Tabling in Abduction and Updating; 5.1 Tabling Abductive Solutions in Contextual Abduction; 5.1.1 Tabdual Program Transformation
5.1.2 Implementation Aspects5.1.3 Concluding Remarks; 5.2 Incremental Tabling of Fluents for LP Updating; 5.2.1 The Evolp/r Language; 5.2.2 Incremental Tabling; 5.2.3 The Evolp/r Approach; 5.2.4 Concluding Remarks; References; 6 Counterfactuals in Logic Programming; 6.1 Causation and Intervention in LP; 6.1.1 Causal Model and LP Abduction; 6.1.2 Intervention and LP Updating; 6.2 Evaluating Counterfactuals via LP Abduction and Updating; 6.3 Concluding Remarks; References; 7 Logic Programming Systems Affording Morality Experiments; 7.1 Acorda; 7.1.1 Active Goals
7.1.2 Abduction and A Priori Preferences7.1.3 A Posteriori Preferences; 7.2 Probabilistic EPA; 7.2.1 Abduction and A Priori Preferences; 7.2.2 A Posteriori Preferences; 7.2.3 Probabilistic Reasoning; 7.3 Qualm; 7.3.1 Joint Tabling of Abduction and Updating; 7.3.2 Evaluating Counterfactuals; 7.4 Concluding Remarks; References; 8 Modeling Morality Using Logic Programming; 8.1 Moral Reasoning with Acorda; 8.1.1 Deontological Judgments via A Priori Integrity Constraints; 8.1.2 Utilitarian Judgments via A Posteriori Preferences; 8.2 Moral Reasoning with Probabilistic EPA
8.3 Moral Reasoning with Qualm8.3.1 Moral Updating; 8.3.2 Counterfactual Moral Reasoning; 8.4 Concluding Remarks; References; Part II The Collective Realm; 9 Modeling Collective Morality via Evolutionary Game Theory; 9.1 The Collective Realm of Machine Ethics; 9.2 Software Sans Emotions but with Ethical Discernment; 9.2.1 Introduction; 9.2.2 Learning to Recognize Intentions and Committing Resolve Cooperation Dilemmas; 9.2.3 Emergence of Cooperation in Groups: Avoidance Versus Restriction; 9.2.4 Why Is It so Hard to Say Sorry?
9.2.5 Apology and Forgiveness Evolve to Resolve Failures in Cooperative Agreements

Sommario/riassunto

This book addresses the fundamentals of machine ethics. It discusses abilities required for ethical machine reasoning and the programming features that enable them. It connects ethics, psychological ethical processes, and machine implemented procedures. From a technical point of view, the book uses logic programming and evolutionary game theory to model and link the individual and collective moral realms. It also reports on the results of experiments performed using several model implementations. Opening specific and promising inroads into the terra incognita of machine ethics, the authors define here new tools and describe a variety of program-tested moral applications and implemented systems. In addition, they provide alternative readings paths, allowing readers to best focus on their specific interests and to explore the concepts at different levels of detail. Mainly written for

researchers in cognitive science, artificial intelligence, robotics, philosophy of technology and engineering of ethics, the book will also be of general interest to other academics, undergraduates in search of research topics, science journalists as well as science and society forums, legislators and military organizations concerned with machine ethics. .