1. Record Nr. UNINA9910483766003321

Titolo	Types for Proofs and Programs : International Workshop, TYPES 2006, Nottingham, UK, April 18-21, 2006, Revised Selected Papers / / edited by Thorsten Altenkirch, Conor McBride
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2007
ISBN	3-540-74464-9
Edizione	[1st ed. 2007.]
Descrizione fisica	1 online resource (VIII, 272 p.)
Collana	Theoretical Computer Science and General Issues, , 2512-2029 ; ; 4502
Altri autori (Persone)	AltenkirchThorsten <1962-> McBrideConor
Disciplina	005.13
Soggetti	Compilers (Computer programs) Computer science Machine theory Computer science - Mathematics Artificial intelligence Compilers and Interpreters Computer Science Logic and Foundations of Programming Formal Languages and Automata Theory Symbolic and Algebraic Manipulation Artificial Intelligence
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	Weyl’s Predicative Classical Mathematics as a Logic-Enriched Type Theory -- Crafting a Proof Assistant -- On Constructive Cut Admissibility in Deduction Modulo -- Fast Reflexive Arithmetic Tactics the Linear Case and Beyond -- Combining de Bruijn Indices and Higher-Order Abstract Syntax in Coq -- Deciding Equality in the Constructor Theory -- A Formalisation of a Dependently Typed Language as an Inductive-Recursive Family -- Truth Values Algebras and Proof Normalization -- Curry-Style Types for Nominal Terms -- (In)consistency of Extensions of Higher Order Logic and Type Theory -- Constructive Type Classes in Isabelle -- Zermelo’s Well-Ordering Theorem in Type Theory -- A Finite First-Order Theory of Classes --

		Coinductive Correctness of Homographic and Quadratic Algorithms for Exact Real Numbers -- Using Intersection Types for Cost-Analysis of Higher-Order Polymorphic Functional Programs -- Subset Coercions in Coq -- A Certified Distributed Security Logic for Authorizing Code.
	Sommario/riassunto	The refereed post-proceedings of the International Workshop of the Types Working Group are presented in this volume. The 17 papers address all current issues in formal reasoning and computer programming based on type theory, including languages and computerized tools for reasoning; applications in several domains, such as analysis of programming languages; certified software; formalization of mathematics; and mathematics education.
2.	Record Nr.	UNINA9910963059703321
	Autore	DeSalle Rob
	Titolo	The brain : big bangs, behaviors, and beliefs / / Rob DeSalle and Ian Tattersall ; illustrated by Patricia J. Wynne
	Pubbl/distr/stampa	New Haven, : Yale University Press, c2012
	ISBN	9786613600882 9781280571282 1280571284 9780300175226 0300175221
	Edizione	[1st ed.]
	Descrizione fisica	1 online resource (369 p.)
	Altri autori (Persone)	TattersallIan
	Disciplina	612.8/2
	Soggetti	Cognition Neurophysiology Brain - Evolution
	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	Frontmatter -- Contents -- Preface -- Acknowledgments -- 1. The Nature Of Science: Our Brains At Work -- 2. The Nitty-Gritty Of The Nervous System -- 3. Hanging Our Brains On The Tree Of Life -- 4. Making Sense Of Senses -- 5. Processing Information -- 6. Emotions

	And Memory -- 7. Brain EvoDevo -- 8. Words And Music By . . . -- 9. Decisions, Behaviors, And Beliefs -- 10. The Human Brain And Cognitive Evolution -- Epilogue -- Timeline -- Glossary -- Literature Cited And Further Reading -- Index
Sommario/riassunto	After several million years of jostling for ecological space, only one survivor from a host of hominid species remains standing: us. Human beings are extraordinary creatures, and it is the unprecedented human brain that makes them so. In this delightfully accessible book, the authors present the first full, step-by-step account of the evolution of the brain and nervous system.Tapping the very latest findings in evolutionary biology, neuroscience, and molecular biology, Rob DeSalle and Ian Tattersall explain how the cognitive gulf that separates us from all other living creatures could have occurred. They discuss the development and uniqueness of human consciousness, how human and nonhuman brains work, the roles of different nerve cells, the importance of memory and language in brain functions, and much more. Our brains, they conclude, are the product of a lengthy and supremely untidy history-an evolutionary process of many zigs and zags-that has accidentally resulted in a splendidly eccentric and creative product.