

1. Record Nr.	UNINA9910970855403321
Titolo	Categorical structures and their applications : proceedings of the North-West European Category Seminar, Berlin, Germany, 28-29 March 2003 / / edited by W. Gahler and G. Preuss
Pubbl/distr/stampa	Singapore ; ; Hackensack, NJ, : World Scientific, c2004
ISBN	1-281-89846-5 9786611898465 981-270-241-5
Edizione	[1st ed.]
Descrizione fisica	1 online resource (356 p.)
Altri autori (Persone)	GahlerWerner PreussGerhard <1940-> HerrlichHorst
Disciplina	512/.62
Soggetti	Categories (Mathematics) Topological spaces Metric spaces Topology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"Dedicated to Horst Herrlich on the occasion of his 65th birthday"--P. [v].
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Contents; Preface; Introduction; Opening Ceremony of the North-West European Category Seminar 2003; On Boole's Booleanness B. Banaschewski; Homeomorphically Closed Nearness Spaces H. L. Bentley and John W. Carlson; The Tensor Product of Orthomodular Posets Reinhard Borger; On a Weak Form of the Blumberg Property Wing-Sum Cheung, Yu-Ting Lin, George E. Strecker and Shiojenn Tseng; Saturated Collections of Metrics E. Colebunders, R. Lowen and M. Sioen; A Uniform Space Proof of a Metrisation Theorem P. J. Collins Classification of Closure Operators for Categories of Topological Spaces Dikran Dikranjan, Walter Tholen and Stephen WatsonTopological Structures in Logics Werner Gahler; The Structure of Affine Algebraic Sets Eraldo Giuli; A Twisted Triple Category of Track Commutative Cubes K. A. Hardie and K. H. Kamps; Productivity of Coreflective Classes in Some Topological Structures; A Characterization of Co-

Retracts of Functional Structures; Maximal (Sequentially) Compact Topologies Hans-Peter A. Kiinzi and Dominic van der Zypen; Supertopologies as Starting Points for Generalized Continuity Structures Introducing Lagois CorrespondencesOn (B,B)-Projectivity Helga Oltmanns, Valdis Laan, Ulrich Knauer; On Coalgebras which are Algebras; A Hyperspace Completion for Semiuniform Convergence Spaces and Related Hyperspace Structures; Convex Effect Algebras and Partially Ordered Positively Convex Modules; Fibrewise Sobriety; Two Applications of Elementary Submodels to Partitions of Topological Spaces; L-Valued Categories: Generalities and Examples Related to Algebra and Topology; Horst Herrlich's Publications; Bernhard Banaschewski: Two Poems

Sommario/riassunto

The book collects original research papers on applied categorical structures, most of which have been presented at the North-West European Category Seminar 2003 in Berlin. The spectrum of these mathematical results reflects the varied interests of Horst Herrlich - one of the leading category theorists of the world - to whom this volume is dedicated in view of his 65th birthday. The book contains applications of categorical methods in various branches of mathematics such as algebra, analysis, logic and topology, as well as fuzzy structures and computer science. At the end of the book the reader