

CONTENTS

Foreword	vii
List of participants	x
List of communications	xii
Introduction	xv
Horst Herrlich: Graciela Salicrup - her mathematical work.	1
Paul Bankston: First order representations of compact Hausdorff spaces. . .	23
Ronald Beattie: A convenient category for the closed graph theorem	29
H.L. Bentley, M.S. Hastings, R.G. Ori: Rings of uniformly continuous functions	46
Reinhard Börger: Connectivity spaces and component categories	71
Reinhard Börger, Walter Tholen: Concordant-dissonant and monotone-light . .	90
Ronald Brown: Some non-abelian methods in homotopy theory and homological algebra	108
Ronald Brown, Philip R. Heath, Klaus Heiner Kamps: Coverings of groupoids and Mayer-Vietoris type sequences	147
G.C.L. Brümmer: Functorial transitive quasi-uniformities	163
John W. Carlson: Lindelöf nearness structures	185
Marcel Ern��: Lattice representations for categories of closure spaces . . .	197
Horst Herrlich: Universal topology	223
Karl H. Hofmann: Stably continuous frames, and their topological manifestations	282
J��rgen Koslowski: Dual adjunctions and the compatibility of structures . .	308
Andreas Kriegl: A cartesian closed extension of the category of smooth Banach manifolds	323
David Lever: Relative topology	337
Sidney A. Morris: Free abelian topological groups	375
Christopher J. Mulvey, Joan Wick Pelletier: On the points of locales in a De Morgan topos	392

L.D. Nel: Upgrading functional analytic categories	408
Hans -E. Porst: T-regular functors	425
Gerhard Preuss: A cohomological characterization of dimension for normal nearness spaces	441
Günther Richter: Mal'cev conditions for categories	453
R.D. Rosebrugh, R.J. Wood: Cofibrations in a bicategory of abelian categories	470
Sergio Salbany: A bitopological view of topology and order	481
Friedhelm Schwarz: Product compatible reflectors and exponentiability . . .	505
G.E. Strecker: On cartesian closed topological hulls	523
G.J. Tashjian: Metrizable spaces in cartesian-closed subcategories of uniform spaces	540
Walter Tholen: Factorizations, fibres and connectedness	549
Anna Tozzi: Dispersed factorization structures in procategories	567
D.H. Van Osdol: C^* -algebras and cohomology	582
J. Vilímovský: Locally convex spaces not containing normed-like subspaces .	588
Oswald Wyler: Ascoli theorems for cartesian closed categories	599
Oswald Wyler: Compact ordered spaces and prime Wallman compactifications .	618