TABLE OF CONTENTS

FORMAL SEMANTICS METHODS

Theory $Yu.L.E$	of Domains and Nearby (Invited Paper)
Predica J. Grun	ative Programming — A Survey
A Thro	ee-Valued Logic for Refinement
A Con D.San	npositional Semantics of Combining Forms for Gamma Programs 43
ALGEBRA	AIC SPECIFICATION METHODS
Algebr G. Futs	raic Properties of Loop Invariants
An Ap Correc W.Rei	proach to Parameterized First-Order Specifications: Semantics, tness, Parameter Passing
	aic Modelling of Imperative Languages with Pointers81
SEMANT	IC PROGRAM ANALYSIS AND ABSTRACT INTERPRETATION
Analys	Connection Based Abstract Interpretations for Strictness sis (Invited Paper)
	nt Chaotic Iteration Strategies with Widenings
Seman F. Mas	tic Analysis of Interval Congruences
Polym B. Mor	orphic Typing for Call-By-Name Semantics
	Program Testing Based on Abstract Interpretation



Analysis of Some Semantic Properties for Programs of the Applicative Language AL
SEMANTICS OF PARALLELISM
Communication as Unification in Process Algebras: Operational Semantics (Invited Paper)
Functional Development of Massively Parallel Programs (Invited Paper)
Observing Some Properties of Event Structures
LOGIC OF PROGRAMS
The Other Linear Logic (Invited Paper)
Duration Calculi: An Overview (Invited Paper)
A Unique Formalism for Specifying and Designing Objects in a Parallel Environment
On the Smooth Calculation of Relational Recursive Expressions out of First-Order Non-Constructive Specifications Involving Quantifiers 281 A.M. Haeberer, G.A. Baum, G. Schmidt
Saturation Replaces Induction for a Miniscoped Linear Temporal Logic
SOFTWARE SPECIFICATION AND VERIFICATION
A Formal Approach to Requirements Engineering (Invited Paper)312 F. Nickl, M. Wirsing
A Two-Phase Approach to Reverse Engineering Using Formal Methods 335 G.C. Gannod, B.H.C. Cheng

Alg <i>V. I</i>	oraically Provable Specification of Optimized Compilations \dots 3 vin	} 4 9
Usi	al Derivation of an Error-Detecting Distributed Data Scheduler Changeling	363
Cor	L92: A Combined Specification Language for Real-Time urrent Systems and Properties	377
TRAN	FORMATIONAL DEVELOPMENT AND PROGRAM SYNTHESI	S
_	oraic Calculation of Graph and Sorting Algorithms (Invited Paper) 3	394
	matical Synthesis of Programs with Recursions4 Beltiukov	114
	ng in ISBES4 Boiten	123
AUTH	R INDEX4	134