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Titolo	Logic, Language and Computation [[electronic resource]] : Festschrift in Honor of Satoru Takasu // edited by Neil Jones, Masami Hagiya, Masahiko Sato
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Edizione	[1st ed. 1994.]
Descrizione fisica	1 online resource (XIII, 269 p.)
Collana	Lecture Notes in Computer Science, , 0302-9743 ; ; 792
Disciplina	005.1/01/5113
Soggetti	Mathematical logic Computers Architecture, Computer Computer logic Programming languages (Electronic computers) Mathematical Logic and Formal Languages Theory of Computation Computer System Implementation Logics and Meanings of Programs Computation by Abstract Devices Programming Languages, Compilers, Interpreters
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di contenuto	Lifschitz's logic of calculable numbers and optimizations in program extraction -- On implicit arguments -- A functional system with transfinitely defined types -- The non-deterministic catch and throw mechanism and its subject reduction property -- Conservativeness of ? over ??-calculus -- ML with first-class environments and its type inference algorithm -- A simple proof of the genericity lemma -- The logic of FOL systems: Formulated in set theory -- Well-ordering of algebras and Kruskal's theorem -- On locomorphism in analytical equivalence theory -- Analysis of a software/hardware system by tense arithmetic -- The essence of program transformation by partial evaluation and driving -- Program transformation via contextual

assertions -- On coding theorems with modified length functions --
Thirty four comparisons are required to sort 13 items.

Sommario/riassunto

This volume contains 15 papers from research areas where Japanese theoretical computer science is particularly strong. Many are about logic, and its realization and applications to computer science; others concern synthesis, transformation and implementation of programming languages, and complexity and coding theory. Not coincidentally, all the authors are either former students or close colleagues of Satoru Takasu, professor and director at the Research Institute of Mathematical Sciences at the University of Kyoto. The purpose of this volume is to celebrate Professor Takasu's influence on theoretical computer science in Japan and worldwide by his research, his philosophy, and his advising of students. The breadth, depth and quality of the papers are characteristic of his interests and activities.
