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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	On the Structure of P??ini's System -- On the Architecture of P??ini's Grammar -- Modeling P??inian Grammar -- Simulating the P??inian System of Sanskrit Grammar -- Computer Simulation of A?? ?dhy? y?: Some Insights -- Formal Structure of Sanskrit Text: Requirements Analysis for a Mechanical Sanskrit Processor -- Analysis of Sanskrit Text: Parsing and Semantic Relations -- Inflectional Morphology Analyzer for Sanskrit -- Semantic Processing in P??ini's K?raka System -- From P??inian Sandhi to Finite State Calculus -- SanskritTagger: A Stochastic Lexical and POS Tagger for Sanskrit -- A Glimpse into the Apadam-Constraint in the Tradition of Sanskrit Grammar -- A Study towards Design of an English to Sanskrit Machine Translation System --

Phonological Overgeneration in Paninian System -- Issues in Combinatorial Analysis of Vedic Verbal and Nominal Forms -- Verbal Roots in the Sanskrit Wordnet -- An Effort to Develop a Tagged Lexical Resource for Sanskrit -- Towards a Scholarly Editing System for the Next Decades -- Critical Edition of Sanskrit Texts -- Chi-Squares and the Phenomenon of "Change of Exemplar" in the Dy?taparvan -- Applying the OCRopus OCR System to Scholarly Sanskrit Literature -- Keyword Spotting Techniques for Sanskrit Documents -- The Phonemic Approach for Sanskrit Text.

Sommario/riassunto

This volume constitutes the thoroughly refereed post-conference proceedings of the First and Second International Symposia on Sanskrit Computational Linguistics, held in Rocquencourt, France, in October 2007 and in Providence, RI, USA, in May 2008 respectively. The 11 revised full papers of the first and the 12 revised papers of the second symposium presented with an introduction and a keynote talk were carefully reviewed and selected from the lectures given at both events. The papers address several topics such as the structure of the Paninian grammatical system, computational linguistics, lexicography, lexical databases, formal description of sanskrit grammar, phonology and morphology, machine translation, philology, and OCR.
