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Titolo	Handbook of Formal Languages [[electronic resource]] : Volume 3 Beyond Words / / edited by Grzegorz Rozenberg, Arto Salomaa
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Descrizione fisica	1 online resource (XX, 625 p.)
Disciplina	005.131
Soggetti	Mathematical logic Combinatorics Computer graphics Programming languages (Electronic computers) Mathematical Logic and Formal Languages Computer Graphics Programming Languages, Compilers, Interpreters
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
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 -- 7. Embedded push-down automaton (EPDA) -- 8. Linguistic
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Sommario/riassunto

The need for a comprehensive survey-type exposition on formal languages and related mainstream areas of computer science has been evident for some years. In the early 1970s, when the book *Formal Languages* by the second-mentioned editor appeared, it was still quite feasible to write a comprehensive book with that title and include also topics of current research interest. This would not be possible anymore. A standard-sized book on formal languages would either have to stay on a fairly low level or else be specialized and restricted to some narrow sector of the field. The setup becomes drastically different in a collection of contributions, where the best authorities in the world join forces, each of them concentrating on their own areas of specialization. The present three-volume *Handbook* constitutes such a unique collection. In these three volumes we present the current state of the art in formal language theory. We were most satisfied with the enthusiastic response given to our request for contributions by specialists representing various subfields. The need for a *Handbook of Formal Languages* was in many answers expressed in different ways: as an easily accessible historical reference, a general source of information, an overall course-aid, and a compact collection of material

for self-study. We are convinced that the final result will satisfy such various needs. The theory of formal languages constitutes the stem or backbone of the field of science now generally known as theoretical computer science.

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