Natural Language Addressing
Krassimir Markov, Krassimira Ivanova, Koen Vanhoof, Vitalii Velychko, Juan Castellanos

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In this monograph, a new idea is proposed. It is called “Natural Language Addressing” (NLA). It is a possibility to access information using natural language words as paths to the information. For this purpose the internal encoding of the letters is used to generate corresponded path. This way it is possible to solve the problem of searching in big index structures by proposing a special kind of hashing, so-called “multi-layer hashing”, i.e. by implementing recursively the same specialized hash function to build and resolve the collisions in hash tables. Results presented in this work were implemented in practice for storing dictionaries, thesauruses, ontologies, and RDF-graphs.

It is represented that book articles will be interesting for experts in the field of information technologies as well as for practical users.