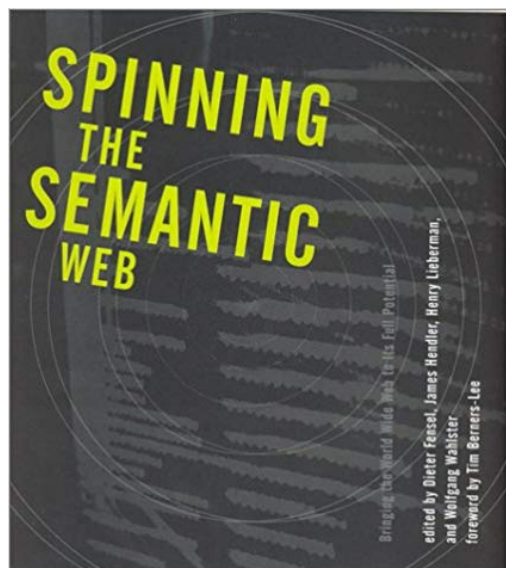
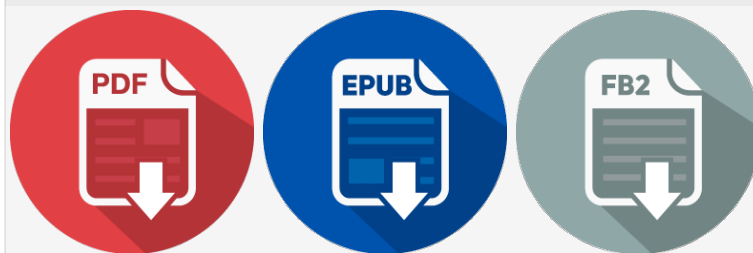


# Spinning the Semantic Web: Bringing the World Wide Web to Its Full Potential **by** Dieter Fensel, Wolfgang Wahlster, Henry Lieberman, James Hendler



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As the World Wide Web continues to expand, it becomes increasingly difficult for users to obtain information efficiently. Because most search engines read format languages such as HTML or SGML, reflect formatting tags more than actual page content, which is expressed in natural language. Spinning the Semantic Web describes an exciting new type of hierarchy and standardization that will replace the current "web of links" with a "web of meaning." Using a flexible set of languages and tools, the Semantic Web will make all available information -- display elements, metadata, services, images, and especially content -- accessible. The result will be an immense repository of information accessible for a wide range of new applications. This first handbook for the Semantic Web covers, among other topics, software agents that can negotiate and collect information, markup languages that can tag many more types of information in a document, and knowledge systems that enable machines to read Web pages and determine their reliability. The truly interdisciplinary Semantic Web combines aspects of artificial intelligence, markup languages, natural language processing, information retrieval, knowledge representation, intelligent agents, and databases.



**Reviews of the [Spinning the Semantic Web: Bringing the World Wide Web to Its Full Potential](#) by Dieter Fensel, Wolfgang Wahlster, Henry Lieberman, James Hendler**

Mataxe

This book is relevant to all those who suspect "WWW" stands for "World Wide Wait." If you don't understand the Internet's shortcomings, just type "antidisestablishmentarianism" into the Google search engine and try to make sense of the 5,890 returns you get. Currently, there are three billion pages of information on the Internet, but within the next year that number will double. The question is how to manage the data while still increasing the functionality of the Web, continuing its transformation from a place where you "find something" to a place where you "do something." To accomplish those tasks, you have to go beyond "meta-tags" - those invisible headlines that tell search engines what any given page is really all about. This volume outlines the Semantic Web approach, which offers answers to those questions. A word of warning: this somewhat technical book will be of greatest interest to programmers, Web designers, specialists and motivated visionaries. We recommend it highly - if you fit into one of those categories.

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