BASICS OF SOFTWARE AGENTS AND LANGUAGES OF THE SEMANTIC WEB

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Abstract*: The World Wide Web (WWW - A network of servers linked together by a common protocol, allowing access to millions of hypertext resources. It is also known as W3, the Web and the World Wide Web) changes the availability of electronic information drastically. At present there are more than a billion web pages and the number rises further rapidly. This rapid growth has however as a consequence that it becomes ever more difficult, to find information to organize and administer. The inventor of the WWW [1] suggested the Semantic Web to the solution of these problems as extension of the existing Internets. In the core of this proposal for solution it is about the information with a machine-processable semantics, available in the net, to annotate. In this way software agents, or general programmers, will be able, to "understand" information of the WWW. With respect to this, the new generation of World Wide Web, called the Semantic Web, is briefly considered.*

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