Abstract

The Web needs Semantics, let's give it Semantics. This mantra is at the origin of the Semantic Web effort, which tries to enrich the classic Web with more refined layers of information. However, despite its good intentions, the Semantic Web didn't succeed yet, and has remained unexpressed in its potential. In this article we try to analyze the possible reasons, and also the tension that the Semantic Web has with other information approaches, for instance XML or HTML. We emphasize the need for consideration of the more comprehensive social environment, that has instead so far been neglected in the mainstream web reasoning arena. Then, we introduce a new axiomatization of the Web, that can be used as a first foundational base in order to define and reason on information in the Web world.

References

Index Terms

Computer Science

Web Services

Keywords

Algebraization  Axiomatization  Formal Models  Deduction  Inference  WWW