The RASH Framework: enabling HTML+RDF submissions in scholarly venues

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The RASH Framework is a set of specifications and tools for writing, converting, visualising and enhancing academic articles in RASH, which is an HTML+RDF-based markup language for writing scholarly documents.

https://github.com/essepuntato/rash/

The visualisation of RASH documents is rendered by the browser in the current form by means of appropriate CSS3 stylesheets and javascript scripts developed for this purpose – we are using some external libraries, i.e., Bootstrap and JQuery, in order to guarantee the current clear visualisation and for adding additional tools to the user.

We have a prepared XSLT 2.0 documents for converting RASH documents into different LaTeX styles, such as ACM ICPS and Springer LNCS. This is, actually, one of the crucial steps to guarantee the use of RASH within international events and to be able to publish RASH documents in the official LaTeX format as required by the organisation committee of such events.

We have developed a tool, called SPAR Xtractor suite, for the automatic enrichment of RASH documents with RDFa annotations defining the actual structure of such documents in terms of the Document Component Ontology (DoCO, http://purl.org/spar/doco).

The RASH Framework is an HTML+RDF-based markup language for writing scholarly documents.