THE R> FRAMEWORK
enabling HTML+RDF submissions in scholarly venue

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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/`

main audience

author

publisher
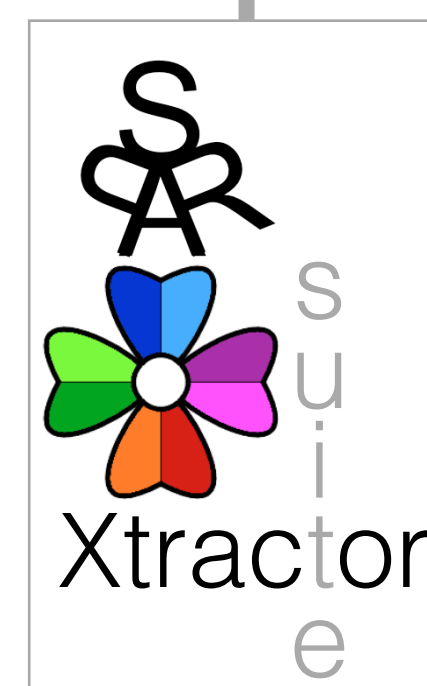
intelligent agent

reader

We have developed a tool based on an XSLT 2.0 document to perform conversions from OpenOffice documents into RASH documents, which allows authors to write a paper through the OpenOffice editor and then converting the related ODT file into RASH automatically

We have 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 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

RASH version of this demo paper
`https://rawgit.com/essepuntato/rash/master/papers/rash-demo-iswc2015.html`