

# LISA-II Abstracts

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## Offering an Astronomical Library on the Internet: the OAT Library

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The remarkable development of the Internet has made the sharing of bibliographic information possible worldwide. With this aim, OAT has developed a library access system based on number of the more widely used network information retrieval tools (WWW, WAIS) integrating them with the automation system already in existence (CDS-ISIS).

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## The Unified Catalogue of Astronomical Italian Libraries (CUBAI) project

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Libraries are one of the most important sources of information and can now also be consulted using the so-called NIR (Network Information Retrieval tools). However, interacting with the software managing libraries is often rather clumsy, since it seldom provides suitable tools for network use. The CUBAI (Catalogo Unificato delle Biblioteche Astronomiche Italiane - Unified Catalogue of Italian Astronomical Libraries) project offers a method of uniformly accessing Italian astronomical libraries based on WAIS and is easily implemented by WWW and other NIR tools.

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## Information Retrieval Tools and Techniques

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We review tools for textual information retrieval, with a focus on publicly-available toolsets such as lq-text and WAIS. We comment on client-server computing, the role played by the Z39.50 protocol, and some current directions being followed in this area in information retrieval. We then discuss support for multimedia information, - in particular imagery and accompanying textual and bibliographic information - and exemplify this using the HST image information system. We conclude with a look at current research directions towards "smart images".