The arrival of “computer technology” within libraries, a first time about 40 years ago with the online catalogs and more recently with the arrival of the Internet and the Web, has started an evolution (sometimes a forced one) in the architecture of the Information Systems supporting libraries. This evolution has introduced new requirements and new functionality in the collection and management of the library content, as well as in the access to the information and in the provision of user services. The workshop will compare this evolution of the libraries with a similar evolution of technologies and functionality that has happened in the Web in the last 20 years, to cope with the management, access and retrieval of the increasing amount of information available in the Web.

Retrieving and accessing information in the Web is setting the stage for a hands-on laboratory to learn how to design and implement a small digital library, which will provide a better understanding and some practical experience on those topics.

Students are expected to have a basic understanding of computer fundamentals, networking fundamentals and representation of digital information.