

# L3S Presents Innovations in Digital Libraries at CeBIT 2009

L3S Research Center will present newest insights from the area of digital libraries at the research booth of the state of Lower Saxony at CeBIT 2009 in Hanover. In cooperation with the German National Library of Science and Technology (TIB) the management of chemical information is presented in ViFaChem - the Virtual Library for Chemistry.

The ViFaChem project provides a digital library infrastructure for creating personalized information spaces. The value added services and scientific Web 2.0 techniques proactively support academic and industrial researchers in retrieval tasks, as well as in deriving new knowledge from the collected information.

The rapid changes in information technology have heavily influenced the scientific way of working: interaction with digital media, style of communication, etc. Global communication technologies enable a fast and ubiquitous information access. Moreover, the time between generation of new results and their subsequent publication (innovation cycles) is becoming shorter. Obviously, this information flood cannot be handled manually by the individual reader.



Whereas classical libraries offered services mostly in the form of printed material, the provisioning of digital services, like subscriptions to online journals or topic-centered databases, is becoming a necessary ingredient for innovation in the scientific community. As a national leader in information provisioning for science and technology the TIB is at the forefront of developing new digital services. The ViFaChem project assists chemists in their search for the right piece of information at the right time. This is facilitated by creating metadata enriched document collections, which will allow specialized searches taking individual retrieval strategies into account. Thus, every user can build his own personalized knowledge space of chemistry. The novel information retrieval interface provides the user with a new experience in searching large document collections combined with Web 2.0 features like social tagging.



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