

Organizer: Veslava Osinska, Nicolaus Copernicus University in Torun, Poland

SESSION TITLE: Experimental Data Analysis Applied in Library and Information Sciences

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Scope & rationale: The specialists of information are nowadays facing a challenge of processing the data. Using the modern methods of text analysis, supporting by visualization they can reveal the key patterns of scientific knowledge, current research trends as well as filter the most popular topics. The experience of information scientists can be particularly useful in communication design. Understanding of these processes is connected with psychology and neuroscience studies, that means a collaboration between librarians and cognitive scientists. Evolvement the designers into research become essential to develop library services and the interaction with readers. This needs to intensify eye-tracking research in library environment and broaden discussion. The session includes the issues of distinct experiments regarding to library environment:

- Natural Language Processing for library applications,
- cognitive processes and perception;
- UX of library services through eye-tracking,
- eye tracking in e-learning.

List of papers

Eye-tracking Experiment Using Book Covers. Visual Data Analysis in Reference to Mind Space, **Veslava Osinska**, Nicolaus Copernicus University in Torun, Poland, **Grzegorz Osinski**, The College of Social and Media Culture, Poland