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Chen, S. Y., & Ford, N. J. (1998). **Modelling User Navigation Behaviours in a Hypermedia-Based Learning System: An Individual Differences Approach.** *Knowledge Organization*, 25(3), 67-78, 26 refs.

ABSTRACT: The rapid evolution of hypermedia technology makes it possible to access an immense volume of information in an educational setting. This research examines the relationship between individual differences (in particular, cognitive styles) and navigation strategies using a WWW-based hypermedia learning system. The hypermedia learning system was used at Sheffield University's Department of Information Studies. Twenty Masters students were pre-tested for their cognitive styles. Dependent variables included navigation patterns, selection of navigation tools, and reactions to the hypermedia system. The results indicated that students with differing cognitive styles and individual characteristics selected different access facilities and applied different navigation patterns. The implication of these findings and the role of individual differences in designing hypermedia-based learning systems are discussed.

Keywords: 1. Cognitive Styles, 2. Computer Assisted Learning (CAL), 3. Hypermedia, 4. Individual Differences, 5. Navigation Behaviours, 6. World Wide Web (WWW) (Authors)

Vries, H. J. de (1998). **The Classification of Standards.** *Knowledge Organization*, 25(3), 79-89, 39 refs.

ABSTRACT: Many classifications of standards exist. These are often inconsistent, which may lead to confusion in standardization practice. This article includes an inventory of current classifications and a discussion of their applicability. Based on the new insights, gained from this examination, other possible

classifications of standards are suggested. These classifications may be related to the entities the standards refer to or to the users of the standards. (Author)

Iivonen, M. & Kivimäki, K. (1998). **Common Entities and Missing Properties: Similarities and Differences in the Indexing of Concepts.** *Knowledge Organization*, 25(3), 90-102, 30 refs.

ABSTRACT: The selection and representation of concepts in indexing of the same documents in two databases of library and information studies are considered. The authors compare the indexing of 49 documents in KINF and LISA. They focus on the types of concepts presented in indexing, the degree of concept consistency in indexing, and similarities and differences in the indexing of concepts. The largest group of indexed concepts in both databases was the category of entities while concepts belonging to the category of properties were almost missing in both databases. The second largest group of indexed concepts in KINF was the category of activities and in LISA the category of dimensions. Although the concept consistency between KINF and LISA remained rather low and was only 34 %, there were approximately 2.2 concepts per document which were indexed from the same documents in both databases. These common concepts belonged mostly to the category of entities. (Authors)

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Dr. Eduard R. SUKIASYAN, Chief Editor of the Library-Bibliographical Classification, Russian State Library, 3 Vozdvizhenka Str., Moscow, 101000 Russia

Dr. Elaine SVENONIUS, Graduate School of Education and Information Studies, UCLA, 5380 ½ Village Green, Los Angeles, CA 90016

Prof. Dr. Harald ZIMMERMANN, Softex, Schmollerstrasse 31, D-66111 Saarbrücken, Germany

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Phone: +49 (931) 280084; FAX +49 (931) 282872; E-mail:
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Editor-in-chief (Editorial office)

Mr. C. Gilreath, 217 NW 34th Drive, Gainesville, FL 32607
USA; Phone +1 (352) 373-6891; Fax: +1 (352) 373-6924;
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Sager, J.C. (1990). *A Practical Course in Terminology Processing*. Amsterdam: John Benjamins.

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Scope

The more scientific data are generated in the impetuous present times, the more ordering energy needs to be expended to control these data in a retrievable fashion. With the abundance of knowledge now available the questions of new solutions to the ordering problem and thus of improved classification systems, methods and procedures have acquired unforeseen significance. For many years now they have been in the focus of interest of information scientists the world over.

Until recently, the special literature relevant to classification was published in piecemeal fashion, scattered over the numerous technical journals serving the experts of the various fields such as

philosophy and science of science
science policy and science organization
mathematics, statistics and computer science
library and information science
archivistics and museology
journalism and communication science
industrial products and commodity science
terminology, lexicography and linguistics

Beginning 1974, KNOWLEDGE ORGANIZATION (formerly INTERNATIONAL CLASSIFICATION) has been serving as a common platform for the discussion of both theoretical background questions and practical application problems in many areas of concern. In each issue experts from many countries comment on questions of an adequate structuring and construction of ordering systems and on the problems of their use in opening the information contents of new literature, of data collections and survey, of tabular works and of other objects of scientific interest. Their contributions have been concerned with

- (1) clarifying the theoretical foundations (general ordering theory/science theoretical bases of classification, data analysis and reduction)
- (2) describing practical operations connected with indexing/classification, as well as applications of classification systems and thesauri, manual and machine indexing
- (3) tracing the history of classification knowledge and methodology
- (4) discussing questions of education and training in classification
- (5) concerning themselves with the problems of terminology in general and with respect to special fields.

Aims

Thus, KNOWLEDGE ORGANIZATION is meant to be a programme for the improvement of classification methods and processes, a forum for discussion for all those interested in the organization of knowledge on a universal or a subject-field scale, using concept-analytical and/or concept-synthetic approaches as well as numerical procedures and comprising also the intellectual and automatic compilation and use of classification systems and thesauri in all fields of knowledge, with special attention being given to the problems of terminology.

KNOWLEDGE ORGANIZATION publishes original articles, reports on conferences and similar communications, the Newsletters of the International Society for Knowledge Organization (ISKO News) and the Committee on Classification Research of the International Federation for Information and Documentation (IFID/CR News) as well as book reviews, letters to the editor, and an extensive annotated bibliography of recent classification and indexing literature, covering some 500 items in each issue.

KNOWLEDGE ORGANIZATION should therefore be available at every university and research library of every country, at every information center, at colleges and schools of library and information science, in the hands of everybody interested in the fields mentioned above and thus also at every office for updating information on any topic related to the problems of order in our information-flooded times.

KNOWLEDGE ORGANIZATION was founded in 1973 by an international group of scholars with a consulting board of editors representing the world's regions, the special classification fields, and the subject areas involved. From 1974-1980 it was published by K.G. Saur Verlag, München. Back issues of 1978-1992 are available from ERGON-Verlag, too. (The 14 volumes of 1978-1992 are offered now at the highly reduced price of DM 200,-)

As of 1989, KNOWLEDGE ORGANIZATION has become the official organ of the INTERNATIONAL SOCIETY FOR KNOWLEDGE ORGANIZATION (ISKO) and is included for every ISKO-member, personal or institutional in the membership fee (US \$ 50/US \$ 100).

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