

## **The Challenge of the Electronic Environment to the Organization of Knowledge - Second International Seminar on Subject Access to Information, Helsinki, Finland, 29-30 November 2007**

**Target Group:** Research librarians, information and subject specialists, students of information studies

**Organizer:** The International Relations Group of the Finnish Research Library Association

**Venue:** University of Helsinki, Porthania, Lecture Hall P674, 6<sup>th</sup> floor

**Street address:** Yliopistonkatu 3, Helsinki

### **Purpose**

The purpose of Seminar is to explore and interpret some of the current changes in knowledge organization tools and methods which the more and more sophisticated information technology makes possible and which the more and more electronic and interactive environment makes necessary.

The Seminar aims to bring together research librarians, information and subject specialists as well as students of information studies to discuss these issues, local and global, of subject access to information in the context of the electronic environment.

### **Some key questions the Seminar will address:**

More and more complicated search engines being introduced to trawl the Web,

- Do we still need conventional knowledge structures and organization tools: classification schemes and controlled vocabularies and thesauri?
- Are conventional knowledge structures still valid in organizing and searching information in the electronic environment? Or do we need new structures and tools?
- Does the collaborative information creation of the emerging Web 2.0 suggest new collaborative structures, tools, methods, models?
- With access to global information, do we face a new situation?
- How do the masses of information on the Web affect our thinking, our way of expressing ideas, structuring knowledge, conveying meanings?
- What about the semantic content of documents, collections?
- What about multilingual and multicultural contexts?

### **Registration fees:**

**Member of the Finnish Research Library Association 150€ +22%vat**

**Non-member of the Finnish Research Library Association 200 +22%vat**

**Registration:**

**<https://kampela.it.helsinki.fi/elomake/lomakkeet/6034/lomake.html>**

**For more information:**

**Eva-Costiander Hulden [eva.costiander-hulden@abo.fi](mailto:eva.costiander-hulden@abo.fi)**

**Päivi Pekkarinen: [paivi.pekkari@helsinki.fi](mailto:paivi.pekkari@helsinki.fi)**

Thursday 29<sup>th</sup> November

**Theme: Classifications and Thesauri – What Changes – What Challenges**

- Do we still need traditional knowledge structures and organization tools: classification schemes and controlled vocabularies, thesauri?
- Are traditional knowledge structures still valid in organizing and searching information in the electronic environment? Or do we need new structures and tools?
- Does the collaborative information creation of the emerging Library 2.0 suggest new collaborative structures, tools, methods, models?
- What about multilingual and multicultural contexts?

**09.30-10.00 Coffee**

**10.00 -10.10 Welcome**

**Päivi Pekkarinen  
Chair/ International Relations Group  
Finnish Research Library Association**

**10.10-10.45 Introductory Review of Current Knowledge Structures and Tools**

**Marcia Lei Zeng  
School of Library and Information Science, Kent State University, USA  
<http://www.slis.kent.edu/~mzeng/>  
Abstract: <http://tds.terkko.helsinki.fi/dspace/handle/10250/132144>  
Presentation : <http://tds.terkko.helsinki.fi/dspace/handle/10250/132225>**

**10.45-12.00 Classifications and Thesauri: local needs – global reach**

**Problems of interoperability  
Keynote: Douglas Tudhope  
School of Computing, University of Glamorgan, Wales  
<http://www.comp.glam.ac.uk/pages/staff/dstudhope>  
Abstract: <http://tds.terkko.helsinki.fi/dspace/handle/10250/132152>  
Presentation : <http://tds.terkko.helsinki.fi/dspace/handle/10250/132229>  
Problems of multilingual and multicultural contexts  
Keynote: Marcia Lei Zeng  
School of Library and Information Science, Kent State University, USA  
<http://www.slis.kent.edu/~mzeng/>  
Abstract: <http://tds.terkko.helsinki.fi/dspace/handle/10250/132145>  
Presentation : <http://tds.terkko.helsinki.fi/dspace/handle/10250/132226>**

**Discussion**

**12.00-13.30 Lunch Break**

**13.30-16.15 From Classifications and Thesauri to Data Modelling**

**Chair: Sirkka Havu, National Library of Finland**

**Functional requirements of authority data (FRBR-FRAD-FRSAR)  
Eeva Murtomaa,  
National Library of Finland [www.nationallibrary.fi](http://www.nationallibrary.fi)  
Abstract: <http://tds.terkko.helsinki.fi/dspace/handle/10250/132147>  
Presentation : <http://tds.terkko.helsinki.fi/dspace/handle/10250/132233>  
Maja Zumer,  
University of Ljubljana, Slovenia <http://www.uni-lj.si/>  
Presentation: <http://tds.terkko.helsinki.fi/dspace/handle/10250/132234>**

Discussion

15.00-15.30 Refreshments

15.30-16.15 **Optimising Interoperability in Multi-KOS Subject Searching:  
A Framework for a Collaborative Approach?**

Dennis Nicholson

University of Strathclyde, Glasgow

<http://cdlr.strath.ac.uk/index.html> <http://hilt.cdlr.strath.ac.uk/>

Abstract: <http://tds.terkko.helsinki.fi/dspace/handle/10250/132151>

Presentation : <http://tds.terkko.helsinki.fi/dspace/handle/10250/132174>

**16.15-17.00 From Data Modelling to Ontologies**

Chair: Sirkka Havu, National Library of Finland

Marcia Lei Zeng

School of Library and Information Science, Kent State University, USA

<http://www.slis.kent.edu/~mzeng/>

Abstract: <http://tds.terkko.helsinki.fi/dspace/handle/10250/132146>

Presentation : <http://tds.terkko.helsinki.fi/dspace/handle/10250/132227>

Discussion

18.00-20.00 **Get together at the Botanic Garden**

Street address: Unioninkatu 44 or Kaisaniemenranta 2

<http://www.fmnh.helsinki.fi/english/botanicgarden/>

Friday 30<sup>th</sup> November

**Theme: Ontologies – Local Applications – Global Implications**

- With access to global information, do we face a new situation?
- How do the masses of information on the Web affect our thinking, our way of expressing ideas, structuring knowledge, conveying meanings?
- What about the semantic content of documents, collections?

**09.00-12.15 Ontologies – Local Applications**

Chair: Eva Costiander-Hulden

Åbo Academy University Library

09.00-10.00 **From General Thesaurus to General Ontology - Experiences from the  
National Library of Finland**

Laila Heinemann

National Library of Finland [www.nationallibrary.fi](http://www.nationallibrary.fi)

Abstract: <http://tds.terkko.helsinki.fi/dspace/handle/10250/132148>

Presentation : <http://tds.terkko.helsinki.fi/dspace/handle/10250/132207>

Finnish General Upper Ontology YSO

Katri Seppälä

Semantic Computing Research Group, Helsinki University of Technology

<http://www.seco.tkk.fi/projects/finnonto/>

Abstract: <http://tds.terkko.helsinki.fi/dspace/handle/10250/132149>

Presentation : <http://tds.terkko.helsinki.fi/dspace/handle/10250/132236>

A special ontology - case Agriforest

Päivi Lipsanen, Kimmo Koskinen

Viikki Science Library <http://www.tiedekirjasto.helsinki.fi/english/>

Presentation: <http://tds.terkko.helsinki.fi/dspace/handle/10250/132208>

Discussion

- 10.00-10.30 Coffee**
- 10.30-11.00 Elements of a National Semantic Web Infrastructure - Case Study Finland on the Semantic Web**  
Kim Viljanen et al.  
Semantic Computing Research Group, Helsinki University of Technology  
More information : <http://www.seco.tkk.fi/projects/finnonto/>  
Paper : <http://www.seco.tkk.fi/publications/2007/hyvonon-et-al-elements-2007.pdf>  
Presentation: <http://tds.terkko.helsinki.fi/dspace/handle/10250/132209>
- 11.00-11.15 CultureSampo - Finnish Culture on the Semantic Web**  
Tuukka Ruotsalo et al.  
Semantic Computing Research Group, Helsinki University of Technology  
More information: <http://www.kulttuurisampo.fi/>  
Presentation: <http://tds.terkko.helsinki.fi/dspace/handle/10250/132231>
- 11.15-11.30 TerveSuomi – Finnish Health Information on the Semantic Web**  
Osma Suominen et al.  
More information: <http://www.seco.tkk.fi/applications/tervesuomi/>  
Presentation : <http://tds.terkko.helsinki.fi/dspace/handle/10250/132232>
- 11.30-12.00 QUCCOO – Query Construction with Ontology, ontology-based search interface**  
Feza Baskaya, Anne Kakkonen  
University of Tampere, Department of information Studies  
[http://www.info.uta.fi/index\\_en.php](http://www.info.uta.fi/index_en.php)  
Abstract: <http://tds.terkko.helsinki.fi/dspace/handle/10250/132150>  
Presentation : <http://tds.terkko.helsinki.fi/dspace/handle/10250/132228>
- 12.00-12.15 Discussion**
- 12.15-13.45 Lunch Break**
- 13.45-15.50 Ontologies – Global Implications**
- Chair: Päivi Pekkarinen  
National Library of Health Sciences  
University of Helsinki
- 13.45-14.15 KOS-based semantic services**  
Douglas Tudhope  
School of Computing, University of Glamorgan, Wales  
Abstract: <http://tds.terkko.helsinki.fi/dspace/handle/10250/132153>  
Presentation : <http://tds.terkko.helsinki.fi/dspace/handle/10250/132230>
- 14.15-14.30 Break**
- 14.30-15.50 Concluding Panel**
- Moderator: Marcia Lei Zeng  
Panellists: Maja Zumer, Dennis Nicholson, Osma Suominen, Douglas Tudhope
- 15.50-16.00 Closing Remarks**
- Päivi Pekkarinen  
National Library of Health Sciences  
University of Helsinki