



"Charting the Topic Map Research and Applications Landscape"  
**TMRA'05 - International Workshop on  
Topic Map Research and Applications**  
Villa Ida, Leipzig, Germany  
6-7th October 2005

## - CALL FOR PAPERS -

TMRA'05 – International Workshop on Topic Map Research and Applications - provides a forum for community building in the field of Topic Map research and applications. A main objective of TMRA'05 is to chart the landscape of Topic Map research. Together we want to identify the primary open issues, who is working on what, bring together researchers and application pioneers, stimulate the systematic tackling of such issues, and foster the exchange of ideas in a non-commercial and stimulating setting. Besides the scientific track, open-space sessions are foreseen as playgrounds for visionaries.

TMRA'05 will take place in Villa Ida, Leipzig, Germany, which provides an intimate and exciting atmosphere for Topic Maps researchers and application pioneers. It is organised by the University of Leipzig. We are looking for papers with substantial contributions to bring the Topic Map community together. The workshop language is English.

**Extended abstract submission due: 16<sup>th</sup> May 2005**

**<http://www.informatik.uni-leipzig.de/~tmra05>**

### **Challenges of TMRA'05**

We invite papers about Topic Map research and sophisticated applications. You should substantially contribute to one or more of the following challenges:

#### **1. Connecting Topic Map Theory and Practice**

Building the Topic Map research community means to bring together research from different backgrounds. How can research results developed at universities be transferred to real-life projects? How can results from practice be investigated and reused in academic research?

#### **2. Charting the Research Landscape**

In order to contribute to the connectedness of people and ideas in the Topic Map community, you can present your own research or present an overview about an issue in the area of Topic Map research and applications. As a result, the research community describes itself with a Topic Map.

#### **3. Visions with Topic Maps**

We invite new and innovative approaches of how to use Topic Maps to kick off new research efforts and to prove the advantages of the Topic Map technology.

#### **4. Initiating Projects**

We expect that the result of TMRA'05 – the research landscape charted during the workshop – will help to bring together people and ideas and thus aid funding of new research projects where Topic Map technologies are used.

### **Topics of TMRA'05**

Topics of the conference include but are not limited to the following objectives:

#### **Standards related research:**

- Topic Map standards – state of the art and further developments
- Query, update and constrain Topic Maps
- Topic Map applications (TMA) aside the TMDM
- Towards a general theory of scope. The next step.

#### **Theoretic Topic Map research:**

- Overview about the current Topic Map research efforts
- Coining the term "seamless knowledge" in detail
- Semantics in Topic Maps from a philosophical point of view
- Topic Maps and the absence of shared vocabularies
- Recommendations for PSIs
- Topic Maps as part of the semantic web
- RDF/OWL, topic maps and other means of knowledge representation
- Creating Topic Map views of various data sources
- Connecting theories about the knowledge economy and Topic Maps

#### **Applied Topic Map research:**

- Overview of innovative Topic Map applications
- Topic Map driven portals and information environments
- Topic Map visualization
- Topic Maps and web services
- Automatic generation of Topic Maps
- Topic Maps and business processes
- Knowledge management (distributed, mobile, personal etc.) and Topic Maps
- Distributed Topic Maps
- Enterprise information integration (EII) with Topic Maps
- Topic Maps and mobile environments

We invite the submission of full papers to be published in the proceedings (LNCS, Springer foreseen). In addition, work-in-progress reports can be submitted.