

CALL FOR CONTRIBUTIONS

SEMINAR ON DOCUMENT DESCRIPTION LANGUAGES

UniBw (Germany) Winter Term 2007

<http://www.unibw.de/inf2/Lehre/WT07/wtsdok>

The inventor of the Internet, Tim Berners-Lee, has proposed to gradually replace the currently used HTML technology by 'machine understandable' formats based on XML, RDF/S, and OWL, thus turning the Internet into a *Semantic Net*, where information can be retrieved more easily and reliably than with today's Google style search machines.

The seminar will consist of two series of lectures: In ten short lectures of 20 minutes each, an introductory overview of relevant concepts and terminology will be presented. In the second series (35 minutes lectures), material from selected current research and tutorial papers will be covered in more depth.

PARTICIPANTS (Unibw Munich students)

M. Blanquett (Winf)

T. Geier (Winf)

B. Spallek (Winf)

O. Wloch (Winf)

C. Heger (Inf)

C. Pauli (Inf)

M. Scheele (Inf)

S. Strauch (Inf)

C. Szymkowiak (Inf)

P. Wurzler (Inf)

ORGANIZER & PROGRAM COMMITTEE

L. Schmitz, UniBw Munich (Germany)

SUBMISSION OF CONTRIBUTIONS

For both types of lectures, contributions consist of

- one MS PowerPoint file (about 12 slides for introductory lecture, 20 for main lecture) and
- one MS Word file (about 8 pages for introductory lecture, 16 for main lecture)

Important: submitted files are required to be absolutely identical in style with the files `lecture.ppt` and `lecture.doc` provided on the seminar homepage (participants are strongly advised to start with copies of these files)! The papers will be collected in a conference proceedings volume to be published on the seminar homepage.

REFERENCES

- [ABMS 06] J. J. Alferes, J. Bailey, W. May, U. Schwertel (eds.):
Principles and Practice of Semantic Web Reasoning,
LNCS 4187, Springer 2006.
- [AH 04] G. Antoniou, F. van Harmelen:
A Semantic Web Primer, MIT Press 2004.
- [BBFHS 06] P. Barahona, F. Bry, E. Franconi, N. Henze, U. Sattler (eds.):
Reasoning Web (2nd Int. Summer School, Lisbon, Portugal),
LNCS 4126, Springer 2006.
- [Bich 04] L. Bichler:
Codegeneratoren für MOF-basierte Modellierungssprachen,
Dissertation, Fak. Informatik, UniBwM 2004.
- [DGD 06] D. Djuric, D. Gasevic, V. Devedzic:
The Tao of Modeling Spaces,
JOT (<http://www.jot.fm>) 2006.
- [GDD 06] D. Gasevic, D. Djuric, V. Devedzic:
Model Driven Architecture and Ontology Development,
Springer 2006.

SEMINAR PROGRAM

January, 11: Start-off meeting

Introductory Lectures:

January, 25:

1. Knowledge Representation (1 student Inf)
[GDD 06], chapter 1
2. Ontologies and Applications (1 student Inf)
[GDD 06], chapter 2
3. XML etc. (1 student Inf)
[AH 04], chapter 2; [GDD 06], chapter 3
4. RDF/RDFS (1 student Inf)
[AH 04], chapter 3; [GDD 06], chapter 3

February, 1:

5. OWL (1 student Inf)
[AH 04], chapter 4 and appendix A; [GDD 06], chapter 3
6. Logic and Inference (2 students Winf)
[AH 04], chapter 5

February, 8:

7. MDA (2 students Winf)
[GDD 06], chapter 4
8. Modeling Spaces (1 student Inf)
[GDD 06], chapter 5 and [DGD 06]

Main Lectures:

February, 22:

1. Web Query Languages (2 students Winf)
[ABMS 06], pp. 90-119
[BBFHS 06], pp 1-52

March, 1:

2. Reasoning with Rules and Ontologies (2 students Inf)
[BBFHS 06], pp 93-151
[ABMS 06], pp. 18-32

March, 8:

3. Business Rules and Processes (1 student Winf)
[BBFHS 06], pp 152-163
[ABMS 06], pp. 48-62
4. Applications in Medicine and Industry (1 student Winf)
[BBFHS 06], pp 197-268

March, 14:

5. Describing Ontologies with UML, part I (2 students Inf)
[GDD 06], pp 145-172/229-290/173-226

March, 22:

6. Describing Ontologies with UML, part II (1 student Inf)
[GDD 06], pp 145-172/229-290/173-226
7. Modularization in SE and Ontologies (1 student Inf)
[BBFHS 06], pp 68-92

IMPORTANT DATES (hard deadlines!)

Submission of papers: Sunday evening preceding the date of presentation

Revision of contributions (by committee): within two days

Revised contributions due: Wednesday evening preceding the date of presentation