

Workshop des GI-Arbeitskreises Ontologien in Biomedizin und Lebenswissenschaften (OBML)
[Workshop of the Working Group "Ontologies in Biomedicine and the Life Sciences"]

WEDNESDAY, 25th November

13h00 Welcome remarks

Session 1 Metrics for ontology evaluation

13h20-13h40 Kirsten Matching large Life Science Ontologies
13h40-14h00 Hartung Evolution of Life Science Ontologies
14h00-14h20 Brochhausen Applying Corpus-Based Ontology Evaluation – The Case of the ACGT Master Ontology
14h20-14h40 Gross Quality of Functional Annotations in Life Science Data Sources
14h40-15h00 Auer Linked Data for the Life Sciences
15h00-15h20 Dietzold Collaborative Editing and Publishing of Linked Data with OntoWiki

15h20-15h40 COFFEE

Session 2 Terminologies for clinical diagnostic support

15h40-16h00 Niggemann Snomed CT, Description Logic and Decision Support
Einsatz der Terminologien SNOMED CT und ID MACS am Beispiel der elektronischen
16h00-16h20 Hellmann Organspendeerklärung (eOSE)
16h20-16h40 Koehler Clinical diagnostics in human genetics with semantic similarity searches in ontologies
16h40-17h00 Straub Dynamic Typing and Non-monotonic Reasoning - Principles for a Semantic Interpreter

Session 3.1 Theoretical principles

17h00-1720 Baader How should parthood relations be expressed in SNOMED CT?
17h20-17h40 Jansen Constitution relations in biological cells

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THURSDAY, 26th November

Session 3.2 Theoretical principles

09h00-09h20 Straub Reality and Abstraction: A Look at Different Models
09h20-09h40 Loebe Ontological semantics

Session 4 Ontology engineering and use

09h40-10h00 Freitas Neglected tropical diseases - A challenge to biomedical ontology engineering
The application of an ontology design pattern for functional abnormalities to phenotype ontologies
10h00-10h20 Ngomo and the extraction of an ontology of anatomical functions
10h20-10h40 Adams The ChEBI ontology
10h40-11h00 Waechter An ontology-generation plug-in for OBO-Edit

11h00-11h20 *COFFEE*

11h20-11h40 Schober Concurrent ontology building with Collaborative Protégé
11h40-12h10 Plake Mining ontology concepts from literature for automated gene annotation.

12h10 *LUNCH*

Session 5 Modelling and Causality

13h10-13h30 Neumuth Modelling at ICCAS
13h30-13h50 Mudunuri
13h50-14h10 Hege Knowledge Representation for Digital Brain Atlases
Beyond Structure: KiSAO and TEDDY – Two Ontologies Addressing Pragmatical and Dynamical
14h10-14h30 Knuepfer Aspects of Computational Models in Systems Biology
14h30-14h50 Michalek A theory of causality

14h50-15h00 Closing remarks