

Goddag workshop

Amsterdam 1-5 December 2008

C.H., 29.11.08

Letter-size version of this document can be found [here](#).

Goddag

Goddag (general ordered-descendant directed acyclic graph) was published in 2000 as a proposal for a data structure for the representation and processing of complex document structures. Since then, Goddags have been discussed in the markup community and used in practical applications for QA-based retrieval methods, linguistic analysis and textual criticism.

The workshop

The purpose of the workshop is to collect and assess experience from these discussions and applications, to identify strengths and shortcomings of Goddags compared to alternative data structures, and to initiate modifications and further development and application of Goddags within a wider perspective of research on data structures for complex documents.

The venue

Informatics Institute, Universiteit van Amsterdam, Kruislaan 403, 1098 SJ Amsterdam.
This is the NIKHEF/UvA building, and our workshop is in Room F013.

The hotel

It is not a chain hotel, they say it is typically Dutch – at least it has steep and narrow stairs:

Hotel Kap, Den Texstraat 5b, 1017 XW Amsterdam. Tel: +31 (0)20 - 624 59 08

<http://www.kaphotel.nl>

Check-in time is 14.00, check-out time is 11.00.

Travel directions, evening and social program:

See

<http://ilps.science.uva.nl/PoliticalMashup/2008/11/workshop-on-multi-dimensional-markup/>

In case of problems, call:

Maarten Marx +31-(0)6 4001 6120 or Claus Huitfeldt, +47-9206 5154

Programme

Monday 1 December			
14.00	14.15	Claus Huitfeldt	Welcome and introduction
14.15	15.30	All	Around the table , five minute self-introductions
15.30	16.00	BREAK	
16.00	17.30	Claus Huitfeldt, Michael Sperberg-McQueen	Goddag
17.30	17.45	All	Discussion , review of next day's program
18.00		DINNER	

Tuesday 2 December			
10.00	10.40	Peter Boncz	TBA
10.40	11.20	Wouter Alink	Goddag and stand-off annotation
11.20	11.50	BREAK	
11.50	12.30	Arjen de Vries	TBA
12.30	13.30	LUNCH	
13.30	14.10	Djoerd Hiemstra	Region algebras, XML search and beyond
14.10	14.50	Oliver Schonefeld, Andreas Witt	Multiple Annotations and XConcur
14.50	15.20	BREAK	
15.20	16.00	Maik Stührenberg	Dealing with multiple annotated data - format and application
16.00	16.40	Lars G. Johnsen	How to do things with dependency grammars
16.40	17.10	All	Discussion , review of next days' program
18.30		DINNER	
20.00		CONCERT	

Wednesday 3 December			
09.30	10.10	Paolo Marinelli, Fabio Vitali, Stefano Zacchiroli	Towards the unification of formats for overlapping markup
10.10	10.30	BREAK	
10.30	11.45	Wendell Piez	LMNL in miniature
11.45	12.30	Jeni Tennison	Creole: Schemas for Overlap
12.30	13.30	LUNCH	
13.30	14.00	All	Discussion
14.00	15.00	Yves Marcoux	Variants of GODDAGs and suitable first-layer semantics
15.00	15.30	All	Discussion , review of next days' program
17.30		DINNER	

Thursday 4 December			
09.30	10.30	Yves Marcoux	Variants... (continued)
10.30	11.00	BREAK	
11.00	13.00	All	Group work: One group on projects, funding opportunities etc. one or more groups on topics decided Wednesday (Goddag query languages, Goddag validation, Goddag tools...?)
13.00	14.30	LUNCH	[Group work may continue over lunch...]
20.00		DINNER	

Friday 5 December			
09.30	11.00		Groups report on yesterday's work
11.00	11.30	BREAK	
11.30	12.30	All	Discussion: Towards a revised Goddag specification.
12.30	13.00	Claus Huitfeldt	Will there be Goddag ?
13.00		LUNCH	

Participants

Claus Huitfeldt , Bergen, NO	[Programme chair]
Maarten Marx , Amsterdam, NL	[Local organizer]
Wouter Alink, NL	[Tue]
Peter Boncz , NL	[Tue]
Djoerd Hiemstra , NL	[Tue]
Lars G. Johnsen, Bergen, NO	
Yves Marcoux , Montreal, CA	
Paolo Marinelli, Bologna, IT	
Wendell Piez , MulberryTech, US	
Oliver Schonefeld , Tübingen, DE	
Michael Sperberg-McQueen , W3C, US	
Maik Stührenberg , Bielefeld, DE	
Sindre Sørensen , Bergen, NO	
Jeni Tennison , GB	[Wed-Thu]
Fabio Vitali , Bologna, IT	[Wed-Fri]
Arjen de Vries , NL	[Tue]
Andreas Witt , Tübingen, DE	
Stefano Zacchiroli , Bologna, IT	[Mon-Tue]

Reading list, background material

General:

Michael Sperberg-McQueen and Claus Huitfeldt:
"GODDAG: A Data Structure for Overlapping Hierarchies":
<http://decentius.aksis.uib.no/mlcd/2000/Papers/Goddag.pdf>

TEI P5, Chapter 20 Non-hierarchical Structures
<<http://www.tei-c.org/release/doc/tei-p5-doc/en/html/NH.html>>

From Lars G. Johnsen:

Basic introduction to dependency grammars:
<http://tlt07.uib.no/ulaslides/joakim-ula.pdf>
Introduction together with a comparison to phrase structure grammars:
<http://www.ai.uga.edu/mc/dgpacm.pdf>
A larger survey article:
<http://w3.msi.vxu.se/~nivre/papers/05133.pdf>

From Claus Huitfeldt and Michael Sperberg-McQueen:

On our MLCD project:
<http://teksttek.aksis.uib.no/projects/mlcd>
On TexMecs:
<http://decentius.aksis.uib.no/mlcd/2003/Papers/txmecs.html>
On rabbit-duck grammars:
<http://www.idealliance.org/papers/extreme/proceedings/html/2006/SperbergMcQueen01/EML2006SperbergMcQueen01.html>

From Yves Marcoux:

<http://www.balisage.net/Proceedings/html/2008/Marcoux01/Balisage2008-Marcoux01.html>

From Paolo Marinelli, Fabio Vitali, Stefano Zacchiroli:

<http://epsilon.cc/~zack/research/publications/nrhm-overlapping-conversions.pdf>

From Wendell Piez:

All papers indexed under LMNL from Extreme (various years)
<http://www.idealliance.org/papers/extreme/proceedings/topics/LMNL.html>
Our wiki:
http://www.lmnl.org/wiki/index.php/Main_Page
and, especially (for brief consideration):

http://www.lmnl.org/wiki/index.php/LMNL_Examples

From Oliver Schonefeld and Andreas Witt:

Schonefeld, Witt: "Towards validation of concurrent markup", EML 2006
<<http://www.idealliance.org/papers/extreme/proceedings/html/2006/Schonefeld01/EML2006Schonefeld01.html>>
Witt, Schonefeld, Rehm, Khoo, Evang: "On the Lossless Transformation of Single-File, Multi-Layer Annotations into Multi-Rooted Trees", EML 2007
<<http://www.idealliance.org/papers/extreme/proceedings/html/2007/Witt01/EML2007Witt01.xml>>

From Maik Stührenberg:

<http://www.balisage.net/Proceedings/html/2008/Stuehrenberg01/Balisage2008-Stuehrenberg01.html>

From Jeni Tennison:

XTech 2007 paper/presentation:
<http://2007.xtech.org/public/schedule/detail/77>
LMNL Wiki:
<http://www.lmnl.org/wiki/index.php/Creole>

From Wouter Alink:

W. Alink, R. Bhoedjang, A.P. de Vries, and P. Boncz, *Efficient XQuery Support for Stand-Off Annotation*

W. Alink, V. Jijkoun, D. Ahn, M. de Rijke, P. Boncz, and A.P. de Vries, *Representing and Querying Multi-dimensional Markup for Question Answering*

From Djoerd Hiemstra:

<http://dbappl.cs.utwente.nl/pftijah/> and
<http://www.cs.utwente.nl/~hiemstra/papers/cikm05.pdf>

Other:

Colorful XML:
<<http://www.research.att.com/~divesh/papers/jlssw2004-mct.pdf>>
The EXPath language:
(<http://www.eppt.org/~emil/publications/TR394-04.pdf>)