

Workshops and Tutorials

Monday 28th May

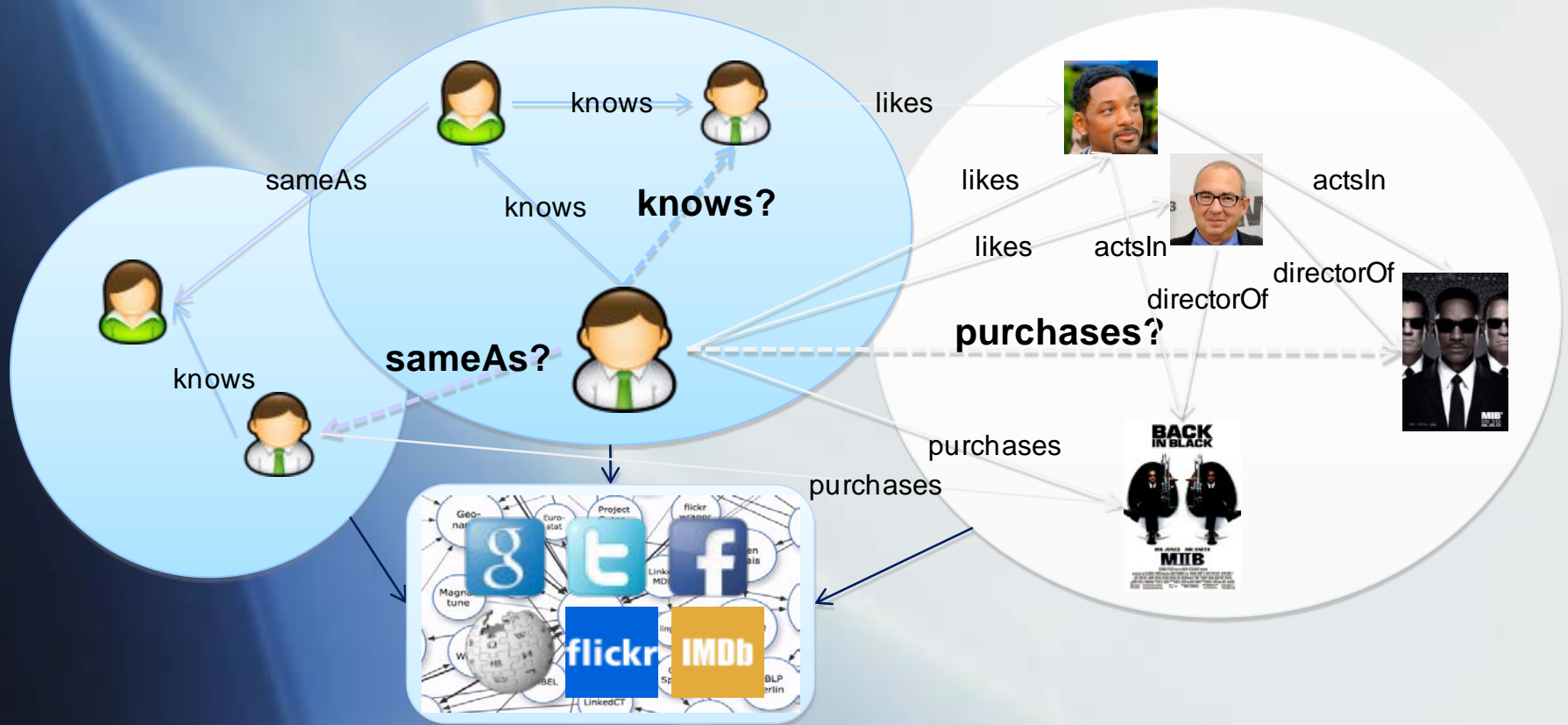
Workshop Chairs: Raphaël Troncy, Alexandre Passant
Tutorial Chairs: Irimi Fundulaki, Emanuele Della Valle



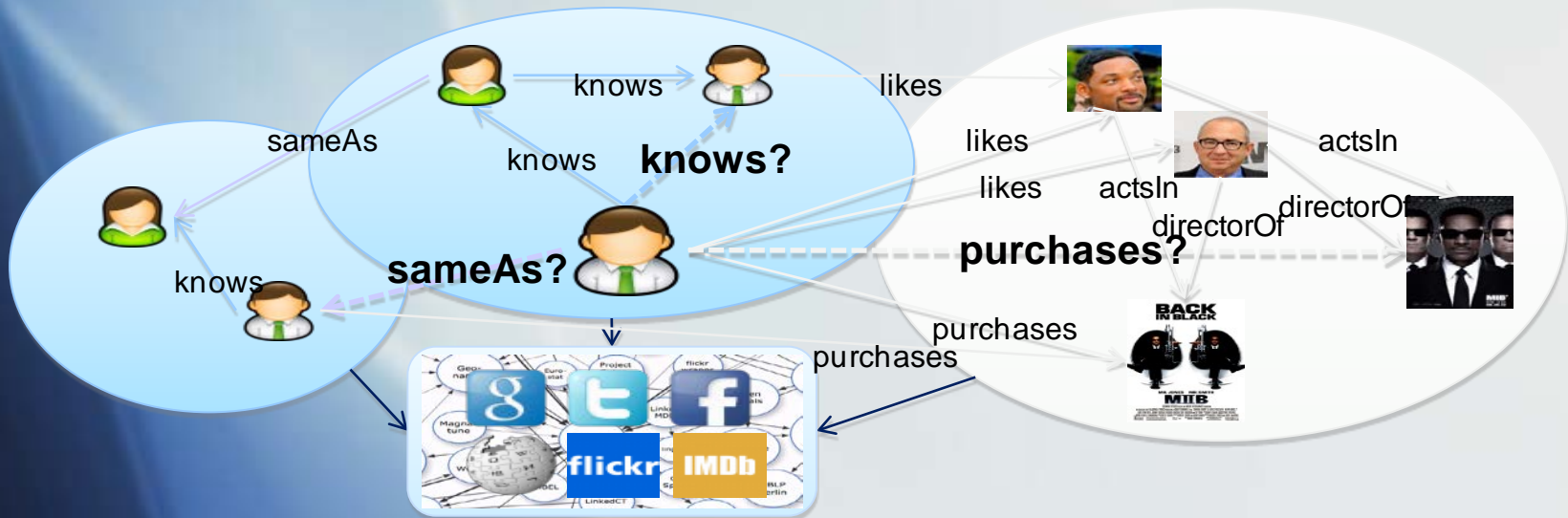
Monday, May 28th

- **Accessing the Semantic Web via Statistical Machine Learning** *Yi Huang & Volker Tresp*
(morning session)
- **Adaptive Semantic Data Management Techniques for Federations of Endpoints** *Maria-Esther Vidal, Edna Ruckhaus, Maribel Acosta, Cosmin Basca & Gabriela Montoya* (afternoon session)
- **The Web of Things** *Carolina Fortuna & Marco Grobelnik* (afternoon session)

Accessing the Semantic Web via Statistical Machine Learning



Accessing the Semantic Web via Statistical Machine Learning



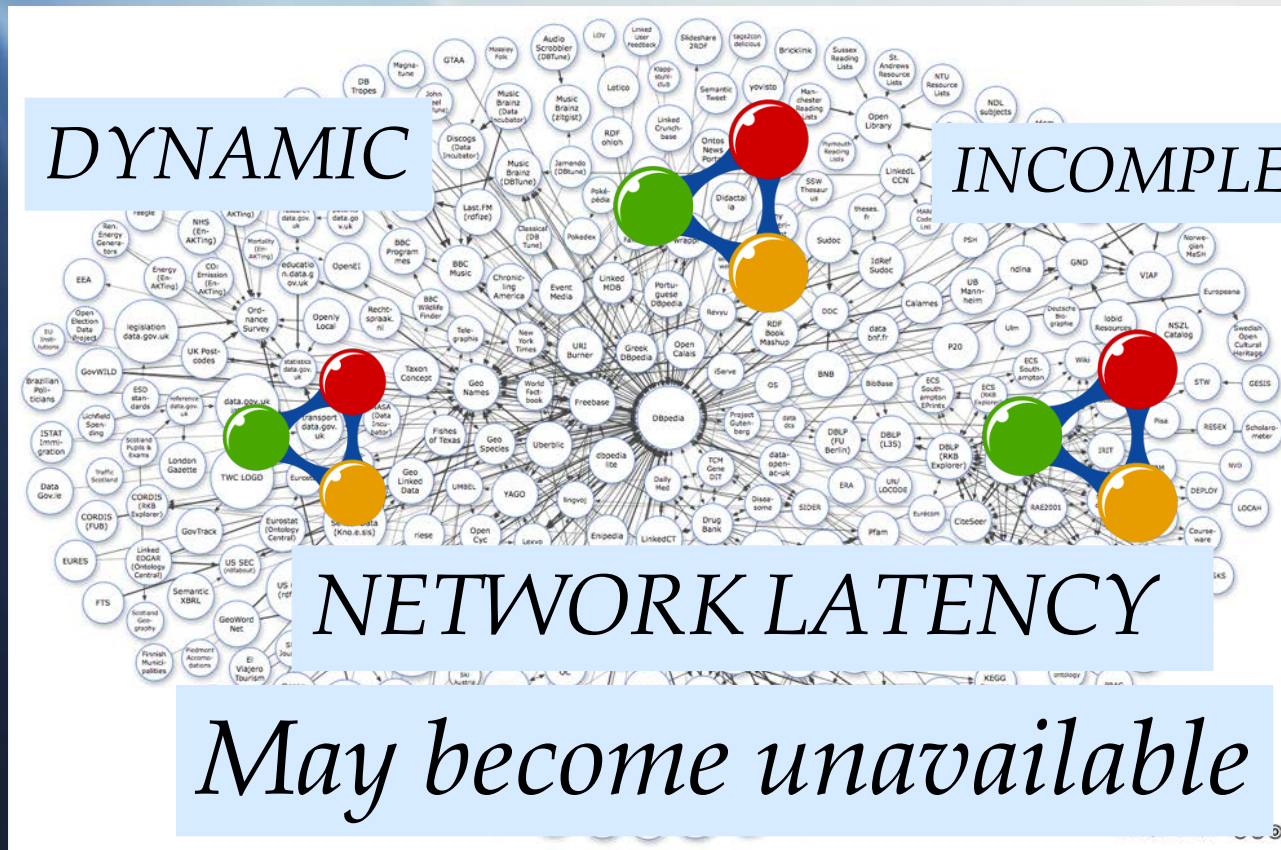
```

SELECT DISTINCT ?person
WHERE {
  ?person knows
  <http://trelana.livejournal.com/trelana>
  WITH PROB ?prob }
ORDER BY DESC(?prob)
  
```

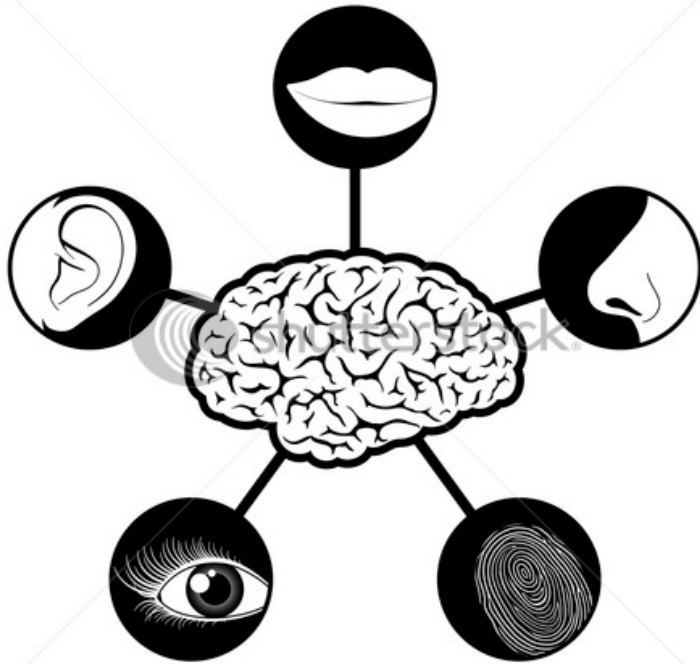
```

SELECT DISTINCT ?movie
WHERE {
  <http://www.imdb.com/name/nm0000226/> actsIn ?movie .
  <http://www.imdb.com/name/nm0001756/> directorOf
  ?movie .
  <http://trelana.livejournal.com/trelana> purchases ?movie
  WITH PROB ?prob }
ORDER BY DESC(?prob)
  
```

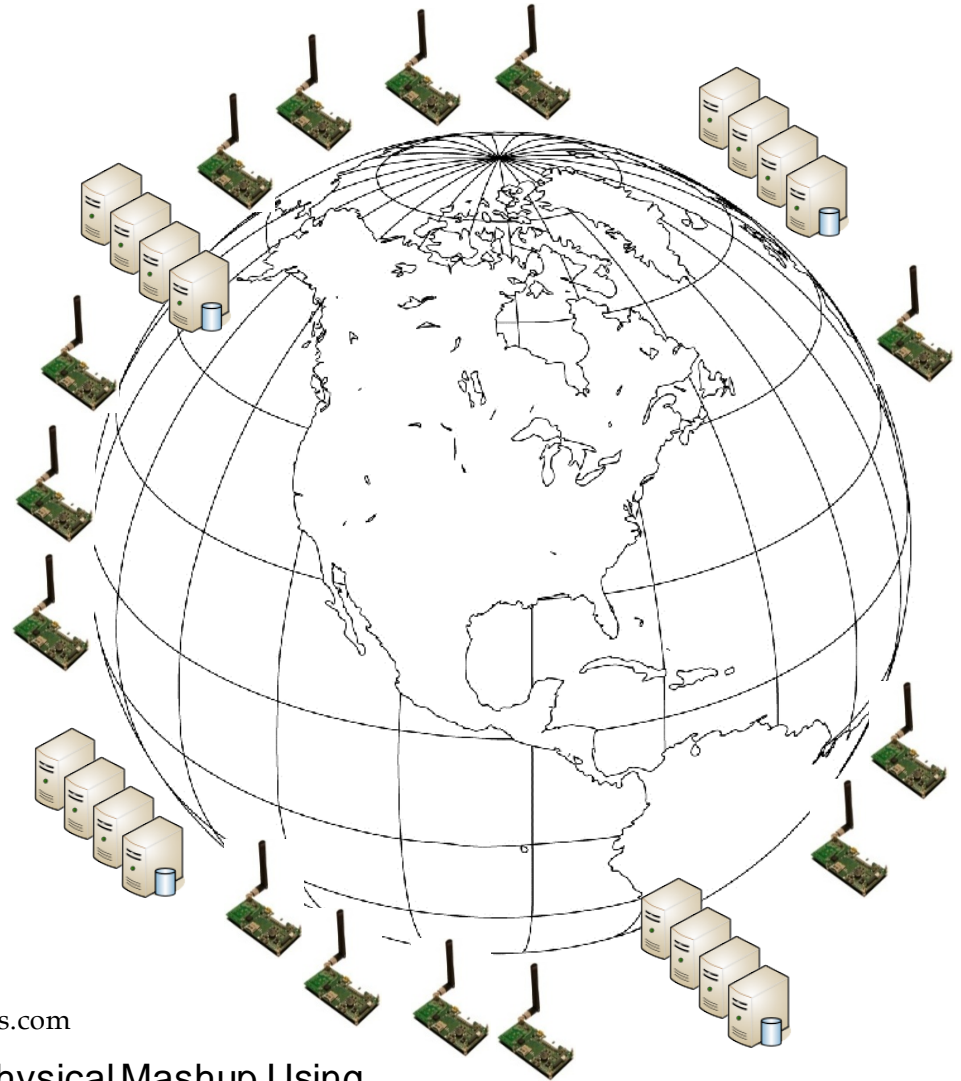

Adaptive Semantic Data Management Techniques for Federations of Endpoints



The Web of Things



www.shutterstock.com · 59068843



Pictures: <http://www.shutterstock.com>, freusandworldmaps.com

Fortuna et al., Towards Building a Global Oracle: a Physical Mashup Using Artificial Intelligence Technology, International Workshop on the Web of Things, 2012.

The Web of Things

- One way of looking at the Web of Things is to see “things” as human organs which detect stimuli
- These are then sent via wireless or wired technology, typically on an IP/HTTP network to processing and storage engines.
- These engines then crunch the received information and generate knowledge.
- Sometimes they can also trigger an action such as sending a tweet.

What's on Today?

■ 6 Workshops

- Morning: Evaluation of Semantic Web Technologies (IWEST)
- Full Day: Downscaling the Semantic Web (Downscale)
- Full Day: Common Value Management (CVM)
- Full Day: Interacting with Linked Data (ILD)
- Full Day: Semantic Web in Provenance Management (SWPM)
- Full Day: Future of Scholarly communication and scientific publishing (Sepublica)

Why attend IWEST 2012?

5 papers with latest research on semantic technology evaluation

Learn from others

Test data
definition

Automated
test data
generation

Advice for
developers

Evaluation
automation

Evaluation
results

Usability

Lessons
learnt

Different technologies

Ontology engineering

Ontology matching

Semantic search


Semantic web service

Results of the 2nd
SEALS Evaluation
Campaigns

Downscale 2012



Data sharing:
the privilege
of a few?



Or everybody's
basic right?

you @Downscale!

Challenges:


- ✓ Limited connectivity
- ✓ Limited hardware
- ✓ Multilinguality
- ✓ Illiteracy
- ✓ ...

Potential solutions:

- ✓ Voice interfaces
- ✓ Decentralisation
- ✓ ...

Room: Thalia





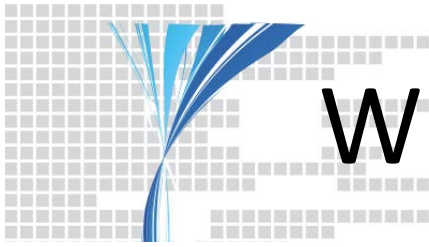
1st International Workshop on
Common Value Management

CVM2012

Dieter Fensel

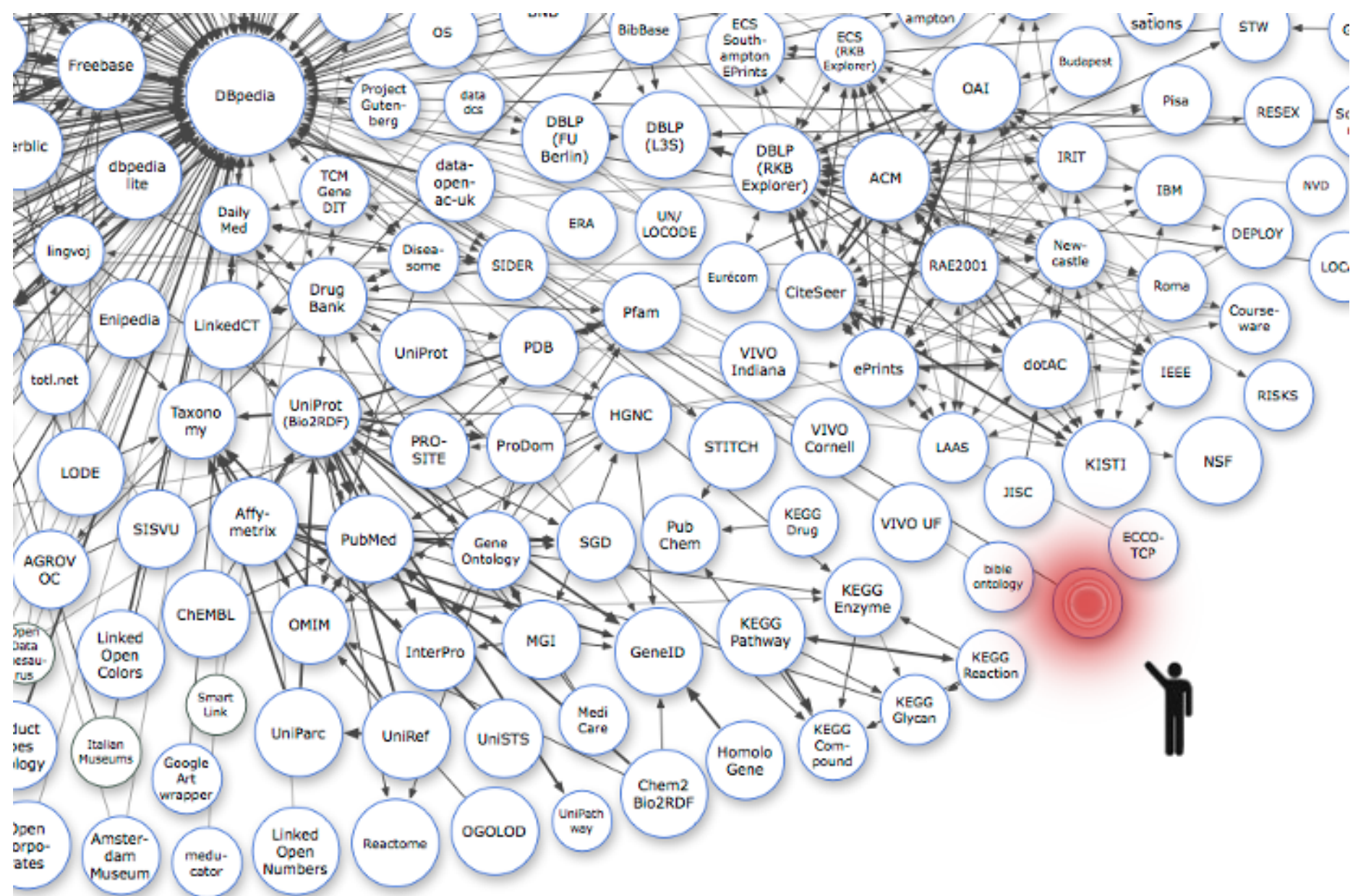
Holger Kett

Marko Grobelnik



Why attend CVM2012?

- To learn how semantics can be used to support and improve three major aspects of today's organization on-line communication, namely:
 - Yield management
 - Brand management
 - Reputation management
- To listen to inspiring invited talks on social media monitoring, eCampaigning, semantic SEO and Linked Open Commerce
- To discuss with and to get involved in a growing community that focuses on semantics and Common Value Management.



INTERACTING WITH LINKED DATA (ILD 2012)

ILD covers topics on a range of different paradigms for interacting with Linked Data

- Natural language interfaces
- Facets and pivoting
- OLAP
- Improving semantic search using query log analysis
- Verbalizing SPARQL

Demos

- Question answering over Linked Data
- Collaborative databasing and resource sharing

Monday, 28 May 2012

SWPM'12

The Third
International
Workshop on the
Role of Semantic
Web in Provenance
Management

<https://sites.google.com/site/swpm2012>

Collocated with the ESWC'12 Conference in Heraclion, Crete

Room Erato

OBJECTIVES

The SWPM workshop has the following complementary objectives:

- to explore the opportunities offered by the Semantic Web technologies in the context of the management and exploitation of provenance.
- to explore the role of provenance in real-world Semantic Web applications.

PROGRAM HIGHLIGHTS:

- Invited talk.
Steffen Staab. Take CARE: Provenance, Policies and Your Obligations in the Future
- Updates on the W3C Provenance Working Group Specification
Jun Zhao and Khalid Belhajjame. The PROV Ontology.
Olaf Hartig. PROV-AQ: Provenance Access and Query. Olaf Hartig

Monday, 28 May 2012

SWPM'12

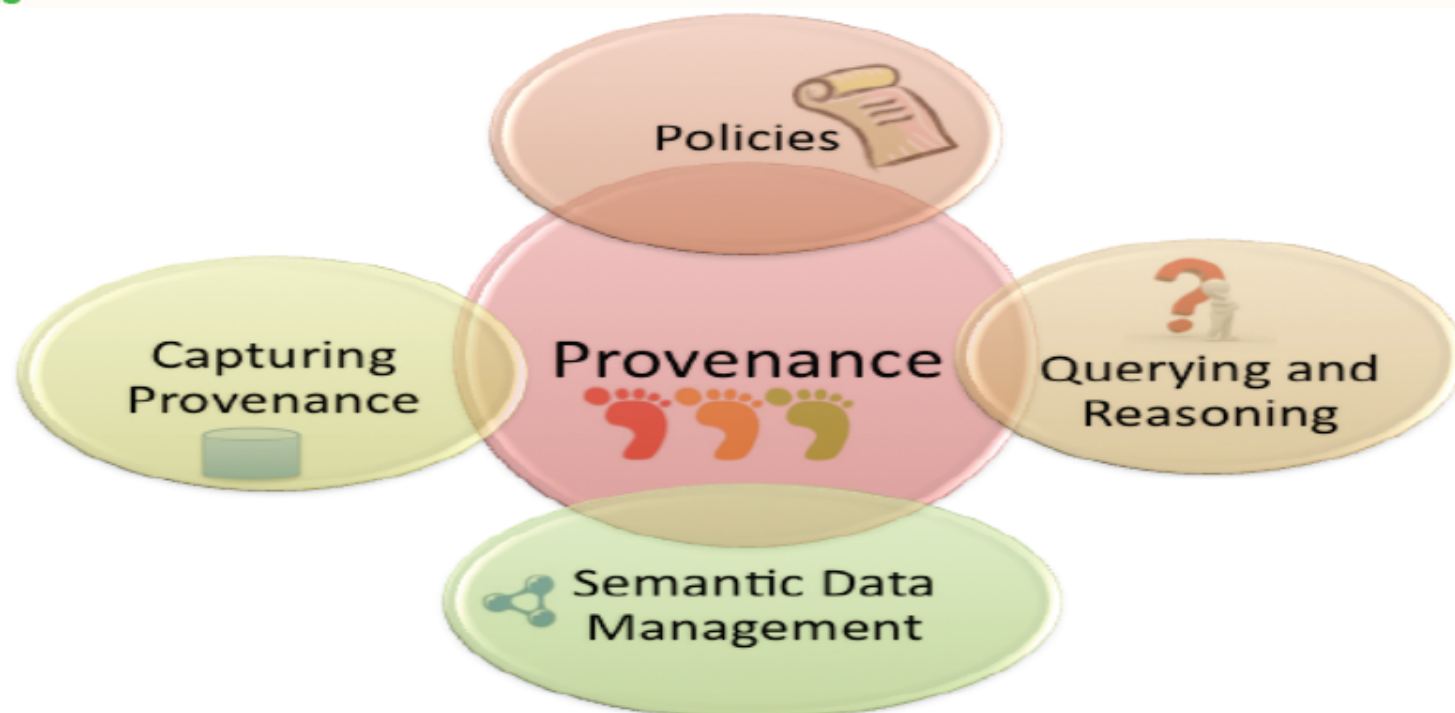
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Topics



SePublica 2012

... the scientific publication as an interface to the web of data...

semantics in scientific publications, is it just about linking?

what does a scientific publication in the semantic web look like?

what should it deliver, how should it change the user experience?

what do we want the next generation of scholarly communication to be like?

What and Where

Tutorials, Workshops & PhD Symposium: Monday, May 28th, 2012

ROOM	HERMES	CLIO	EFTERPI	THALIA	MELPO	KALIA	ERATO	POLYMNEA	OURANIA	ORPHEAS	APOLLON
9:00 - 09:30	Plenary: Highlights of the Day Session Chairs: Alexandre Passant Raphaël Troncy Emanuella della Valle Irini Fundulaki										OWLED Workshop
9:30 - 10:30		Tutorial 4: Accessing the Semantic Web via Statistical Machine Learning	Workshop 7 IWEST: Evaluation of Semantic Technologies	Workshop 8 DOWNSCALE: Downscaling the Semantic Web	Workshop 9 CVM: Common Value Management	Workshop 10 ILD: Interacting with Linked Data	Workshop 11 SWPM: Semantic Web in Provenance Management		Workshop 12 SEPUBLICA: Future of scholarly communication and scientific publishing	PhD Symposium	
10:30 - 11:00	COFFEE BREAK										
11:00 - 12:30		Tutorial 4: Accessing the Semantic Web via Statistical Machine Learning	Workshop 7 IWEST: Evaluation of Semantic Technologies	Workshop 8 DOWNSCALE: Downscaling the Semantic Web	Workshop 9 CVM: Common Value Management	Workshop 10 ILD: Interacting with Linked Data	Workshop 11 SWPM: Semantic Web in Provenance Management		Workshop 12 SEPUBLICA: Future of scholarly communication and scientific publishing	PhD Symposium	OWLED Workshop
12:30 - 14:00	LUNCH BREAK										
14:00 - 15:30		Tutorial 5: Adaptive Semantic Data Management Techniques for Federations of Endpoints	Tutorial 6: The Web of Things	Workshop 8 DOWNSCALE: Downscaling the Semantic Web	Workshop 9 CVM: Common Value Management	Workshop 10 ILD: Interacting with Linked Data	Workshop 11 SWPM: Semantic Web in Provenance Management		Workshop 12 SEPUBLICA: Future of scholarly communication and scientific publishing	PhD Symposium	OWLED Workshop
15:30 - 16:00	COFFEE BREAK										
16:00 - 17:30		Tutorial 5: Adaptive Semantic Data Management Techniques for Federations of Endpoints	Tutorial 6: The Web of Things	Workshop 8 DOWNSCALE: Downscaling the Semantic Web	Workshop 9 CVM: Common Value Management	Workshop 10 ILD: Interacting with Linked Data	Workshop 11 SWPM: Semantic Web in Provenance Management		Workshop 12 SEPUBLICA: Future of scholarly communication and scientific publishing	PhD Symposium	OWLED Workshop
	Plenary: Welcome and Pre-Conference Keynote Speech Session Chair: Elena Simperl Julius van der Laar , digital media strategist, DE Cutting Through the Noise: How to Shape Public Perception, Frame the Debate and Effectively Engage Your Audience in the Digital Age										

Plenary Keynote: 17:30 – 18:30

- **Julius van der Laar**
digital media strategist, Germany
- **Cutting Through the Noise: How to Shape Public Perception, Frame the Debate and Effectively Engage Your Audience in the Digital Age**

