

Microformats

Web of Data

brian@suda.co.uk

<http://suda.co.uk/publications/Web2Expo/>

Microformats: The Nanotechnology of the Semantic Web

Jeremy Keith
Wednesday, 7th November
9:00am



What are microformats

What is a web of data?

Evolution of the Browser

<http://blog.mozilla.com/faaborg/2007/04/19/web-2.0-expo-presentation/>

1993: Book



STEEL PAVLOU
MICHAEL CORNELLY
CIGENE

ALL BONE'S
KARIN SLAUGHTER
KISSCUT
Plus Bridgman

LINDA RICE
JAMES PATTERSON
DAN BROWN

COCAINE

THE WARRIOR BUTTERFLY WAY

THE COMPLETE BOOK OF FASTING

THE JOY OF

THE SCIENCE OF

THE FIRST HORSEMAN

A Guide to Stockpicking
GILLIAN O'CONNOR

THE WEB
TIM BERNERS-LEE

DEMING
OUT OF THE CRISIS

The Chemistry
Manual
of a YOGI

ED REGIS

Zero-Defect Programming

Listen to Programming

Programming Ruby

THE LINCOLN
LAWYER

SKINNY DICE

NECROSCOPE V.
DEADSPAWN

LOCUSTS
GUY N. SMITH

YOUNG ADAM LIVINGSTONE
JOHN CARREL

DARK VICTORY

THE COMPLETE BOOK OF FASTING

MORE NEWS OF THE WEIRD

THE SCIENCE OF

A Guide to Stockpicking
GILLIAN O'CONNOR

THE WEB
TIM BERNERS-LEE

DEMING
OUT OF THE CRISIS

The Chemistry
Manual
of a YOGI

ED REGIS

Zero-Defect Programming

Listen to Programming

Programming Ruby

THE LINCOLN
LAWYER

TASTELESS LISTS II

RICHARD
DAWKINS

BRAVE WORLD

THE ULTIMATE FRONTIER

MICROSOFT

THE SCIENCE OF

THE SCIENCE OF

THE SCIENCE OF

THE SCIENCE OF

SATAN

THE BROTHERHOOD

AGAINST ALL REASON

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THE FATE OF IBM

Bad Software

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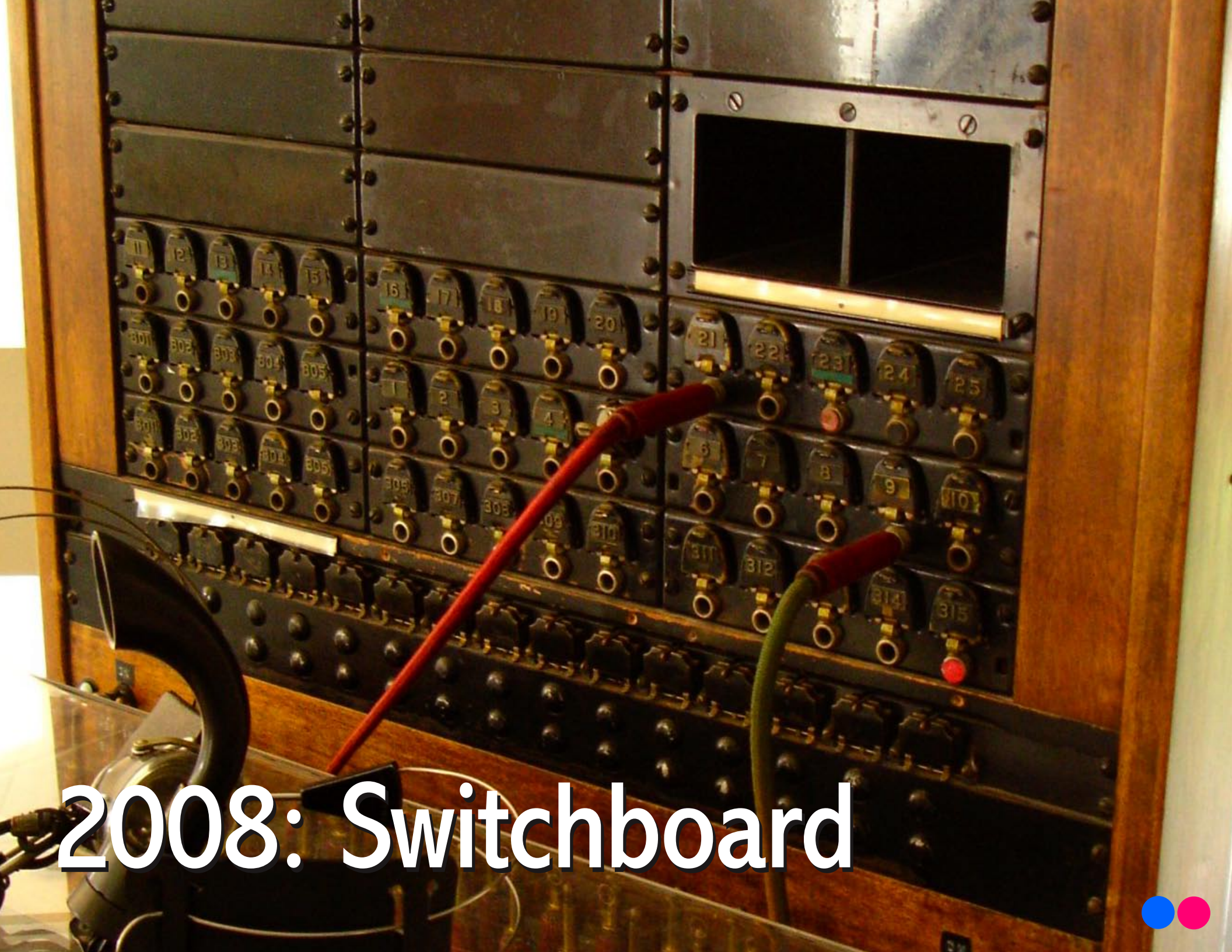
THE SCIENCE OF

THE SCIENCE OF



2005: Radio





2008: Switchboard



Operator & FireFox3

Berlin

Stadtkreis Berlin / Bundesland Berlin / Germany

Find events What? (e.g. jazz, ...)

Web 2.0 Expo Berlin

Tuesday, November 6, 2007 - Thursday, November 8, 2007
8:00 PM - 11:00 PM

TBA
none
Berlin, Bundesland Berlin
(Yahoo! Maps, Google Maps)

CATEGORY
Commercial

DESCRIPTION
O'REILLY MEDIA AND CMP TECHNOLOGY LAUNCH WEB 2.0 EXPO BERLIN

Leading Event Series to Bring Together Europe's rapidly growing Web 2.0 Business and Developer Communities

I'm ...
I'm ...

94 Att...

- Nicol
black
alexa
adac
kosm
Char
alper
Iconn
fwha



Shoreline Amphitheatre at Mountain View

One Amphitheatre
Mountain View, CA
☎ 650.967.3000

- Windows Contacts (1)
- Windows Calendar (4)
- Google Earth (1)
- Google Reader (1)
- Skype (1)
- View in Page



[view larger seating](#)



Welcome to Shoreline Amphitheatre at Mountain View. Situated on over 60 acres in the heart of Silicon Valley -- 10 miles north of San Jose and 35 miles south of San Francisco -- Shoreline boasts one of the worlds largest tent structures, state-of-the-art sound and video systems, and helpful, friendly staff who make as many as 22,000 people per event feel safe, happy and comfortable. We hope to see you soon at a Live Nation event.

Events And Tickets at: **Shoreline Amphitheatre at Mountain View**

Saturday, 10/21/06

[20th Annual Bridge School Benefit, Neil Young with Pearl Jam, Dave Matthews Band, Brian Wilson, Foo Fighters, Trent Reznor, Death Cab for Cutie, Gillian Welch, Devendra Banhart](#)

BUY TICKET

Sunday, 10/22/06

[20th Annual Bridge School Benefit, Neil Young with Pearl Jam, Dave Matthews Band, Brian Wilson, Foo Fighters, Trent Reznor, Death Cab for Cutie, Gillian Welch, Devendra Banhart](#)

BUY TICKET

Thursday, 11/2/06

[Aerosmith and Motley Crue](#)




BUY TICKET



Shoreline Amphitheatre at Mountain View

One Amphitheatre Parkway
Mountain View, CA 94043
☎ 650.967.3000



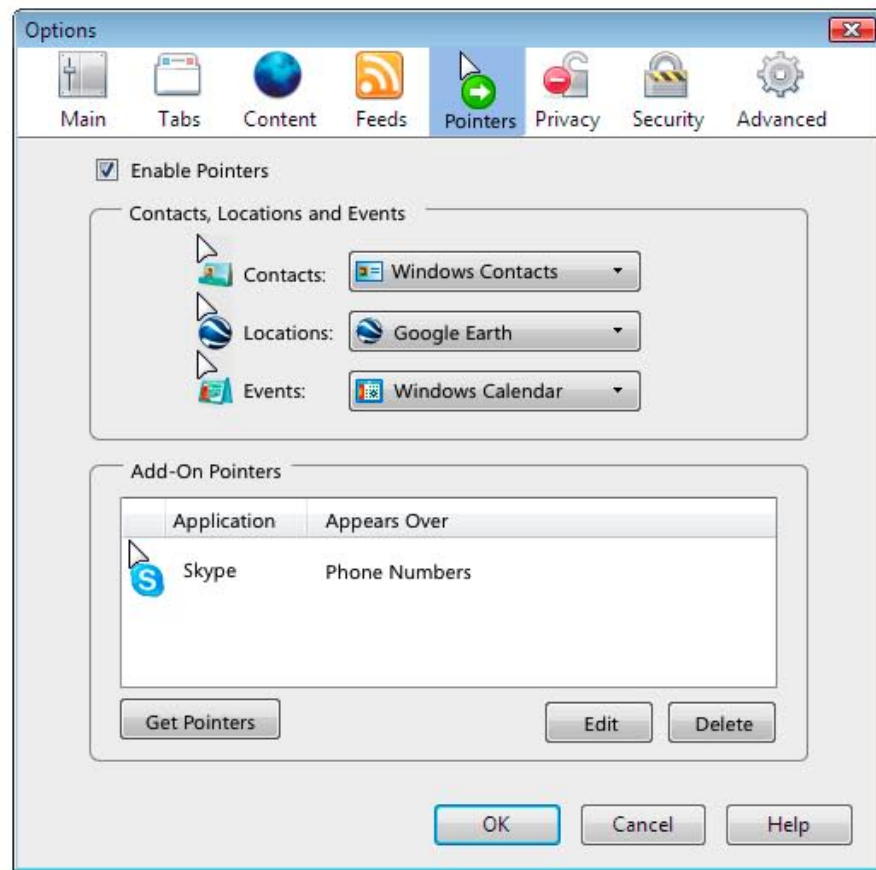
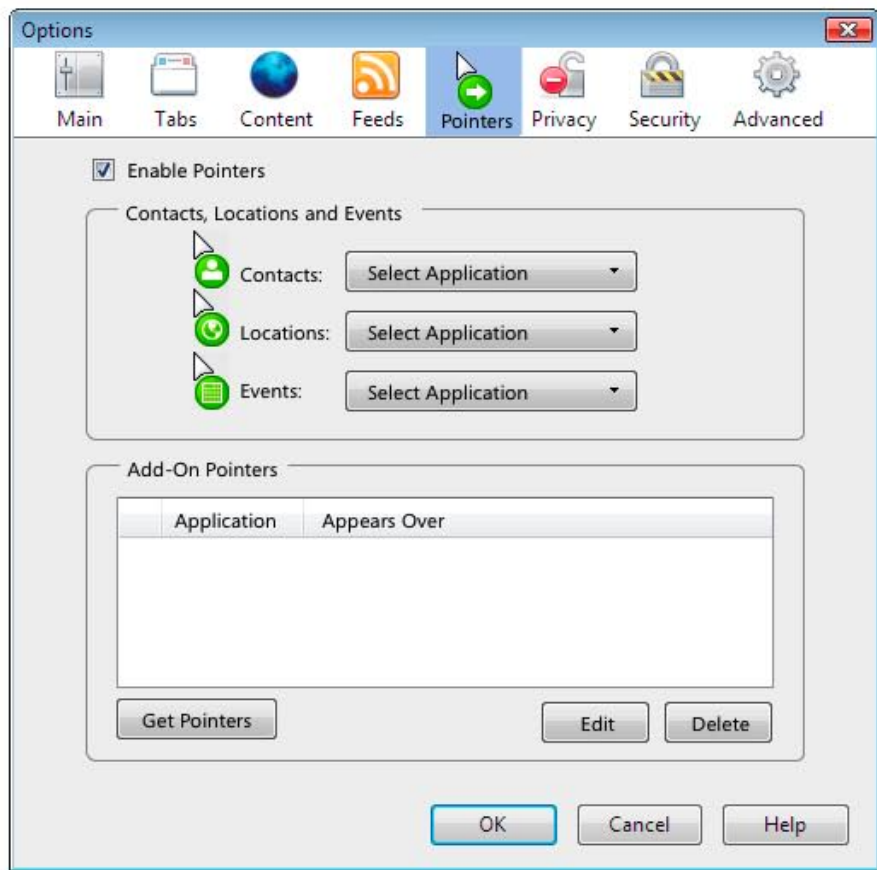
-  [View seating map](#)
-  [Send to Outlook](#)
-  [Map with Google Earth](#)
-  [Call with Skype](#)



Welcome to Shoreline Amphitheatre a 60-acre venue in the heart of Silicon Valley -- 60 acres in the heart of Silicon Valley -- south of San Francisco -- Shoreline boasts state-of-the-art sound and video systems, and helpful, friendly staff who make as many as 22,000 people per event feel safe, happy and comfortable. We hope to see you soon at a Live Nation event.

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Saturday, 10/21/06	20th Annual Bridge School Benefit, Neil Young with Pearl Jam, Dave Matthews Band, Brian Wilson, Foo Fighters, Trent Reznor, Death Cab for Cutie, Gillian Welch, Devendra Banhart		
Sunday, 10/22/06	20th Annual Bridge School Benefit, Neil Young with Pearl Jam, Dave Matthews Band, Brian Wilson, Foo Fighters, Trent Reznor, Death Cab for Cutie, Gillian Welch, Devendra Banhart		
Thursday, 11/2/06	Aerosmith and Motley Crue		
Sunday, 4/1/07	2007 VIP/ Premium Seats and Boxes		



hCard

Web 2.0 Expo
Messe Berlin GmbH


```
<div class="vcard">
```

Messe Berlin GmbH

Messedamm 22

14055 Berlin, Germany

```
</div>
```

```
<div class="vcard">
```

```
<div class="fn org">Messe Berlin GmbH</div>
```

```
Messedamm 22
```

```
14055 Berlin, Germany
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```
</div>
```

```
<div class="vcard">
```

```
<div class="fn org">Messe Berlin GmbH</div>
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<div class="adr">
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```
Messedamm 22
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```
14055 Berlin, Germany
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</div>
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```
<div class="vcard">
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```
<div class="fn org">Messe Berlin GmbH</div>
```

```
<div class="adr">
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```
<div class="street-address">
```

```
Messedamm 22</div>
```

```
<span class="postal-code">14055</span>
```

```
<span class="locality">Berlin</span>
```

```
<span class="country-name">Germany</span>
```

```
</div>
```

```
</div>
```

```
<div class="vcard">
```

```
<a href="http://www1.messe-berlin.de/"  
  class="url fn org">Messe Berlin GmbH</a>
```

```
<div class="adr">
```

```
<div class="street-address">
```

```
Messedamm 22</div>
```

```
<span class="postal-code">14055</span>
```

```
<span class="locality">Berlin</span>
```

```
<span class="country-name">Germany</span>
```

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</div>
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</div>
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```
<div class="vcard">
```

```
<abbr title="52.50475;13.279375" class="geo">
```

```
<a href="http://www1.messe-berlin.de/"
```

```
class="url fn org">Messe Berlin GmbH</a></abbr>
```

```
<div class="adr">
```

```
<div class="street-address">
```

```
Messedamm 22</div>
```

```
<span class="postal-code">14055</span>
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```
<span class="locality">Berlin</span>
```

```
<span class="country-name">Germany</span>
```


```
</div>
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```
</div>
```



Group
All
Directories
Last Import

Name
Messe Berlin GmbH

 **Messe Berlin GmbH**

home page <http://www1.messe-berlin.de/>

work Messedamm 22
14055 Berlin
Germany

Note:

Updated: 2007-10-17



Edit

1 card



hCalendar

Web2.0 Expo
this session

`<div class="vevent">`

Microformats: Web of Data

November 6th, 9:00-9:50

New York 3

`</div>`

```
<div class="vevent">
```

```
<span class="summary">
```

Microformats: Web of Data

```
</span>
```

November 6th, 9:00-9:50

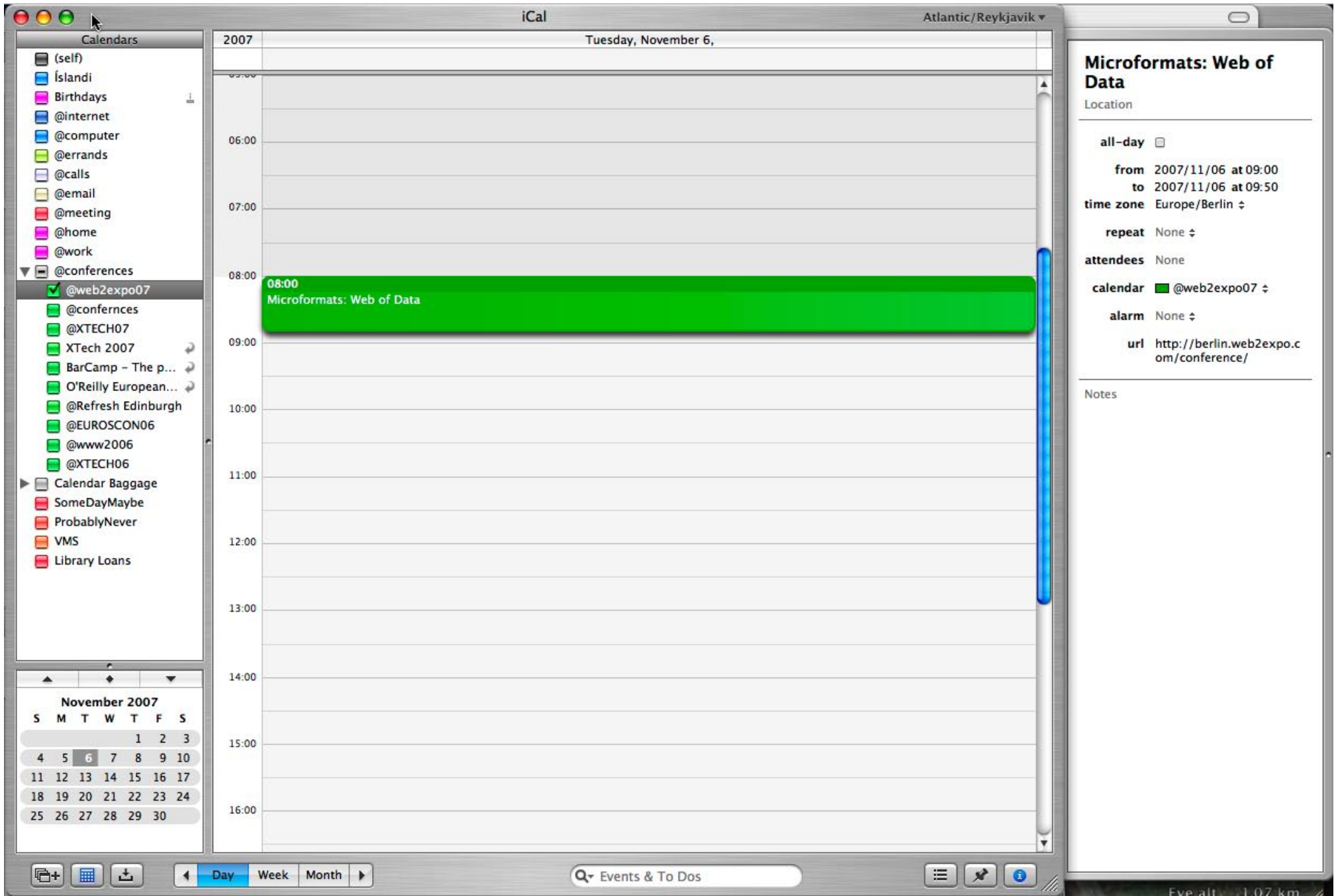
New York 3

```
</div>
```

```
<div class="vevent">  
<a href="http://berlin.web2expo.com/conference/"  
class="url summary">Microformats: Web of Data</a>  
November 6th, 9:00-9:50  
New York 3  
</div>
```

```
<div class="vevent">  
<a href="http://berlin.web2expo.com/conference/"  
class="url summary">Microformats: Web of Data</a>  
November 6th, 9:00-9:50  
<span class="location">New York 3</span>  
</div>
```

```
<div class="vevent">  
<a href="http://berlin.web2expo.com/conference/"  
class="url summary">Microformats: Web of Data</a>  
<abbr class="dtstart" title="2007-11-06T08:00:00Z">  
November 6th, 9:00</abbr>-  
<abbr class="dtend" title="2007-11-06T08:50:00Z">  
9:50</abbr>  
<span class="location">New York 3</span>  
</div>
```



iCal

Atlantic/Reykjavik

Microformats: Web of Data

Location

all-day

from 2007/11/06 at 09:00

to 2007/11/06 at 09:50

time zone Europe/Berlin

repeat None

attendees None

calendar @web2expo07

alarm None

url <http://berlin.web2expo.com/conference/>

Notes

November 2007

S	M	T	W	T	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	

Day Week Month

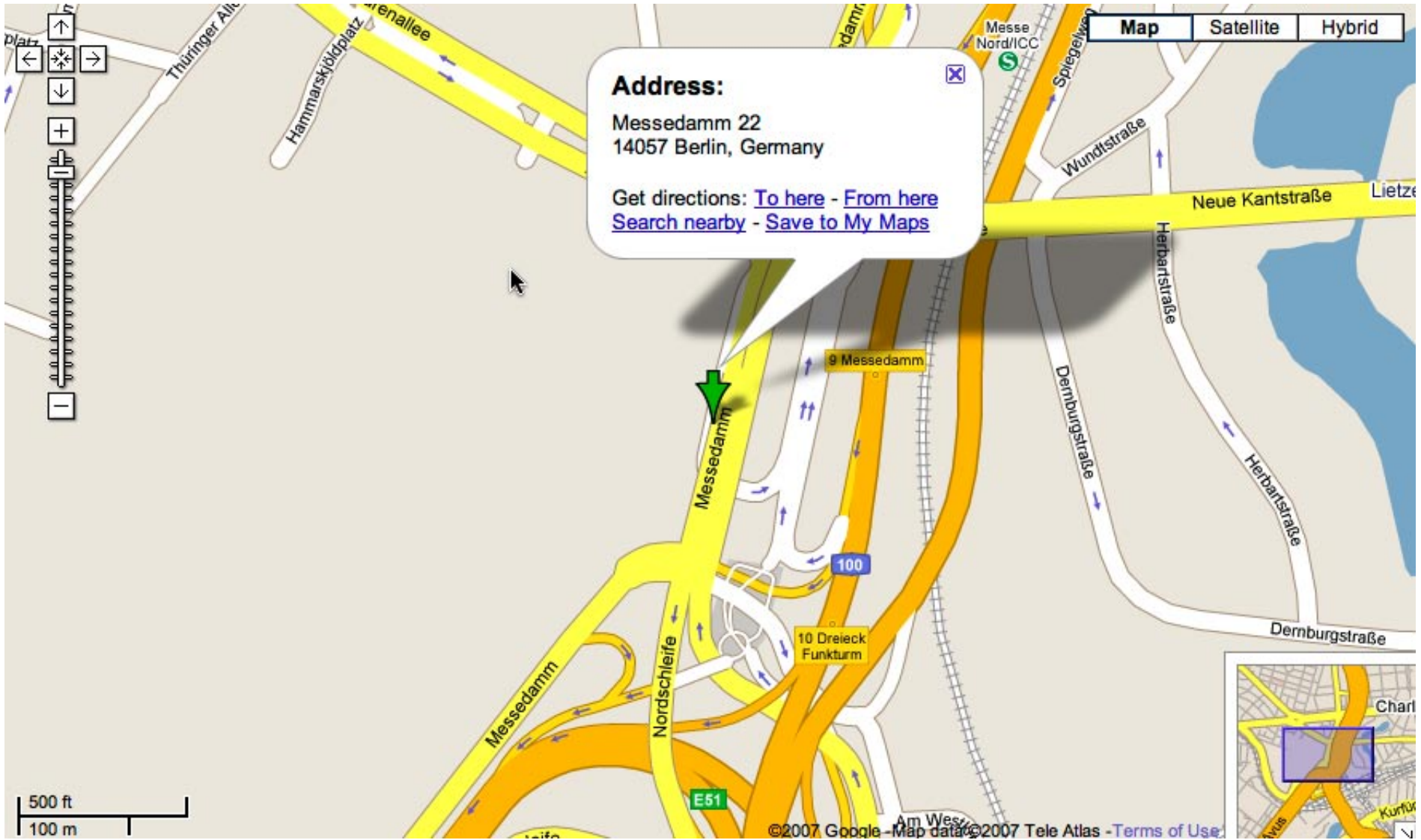
Events & To Dos

Geo

`<abbr title="52.50475;13.279375" class="geo">`

Messe Berlin GmbH

`</abbr>`



Address:

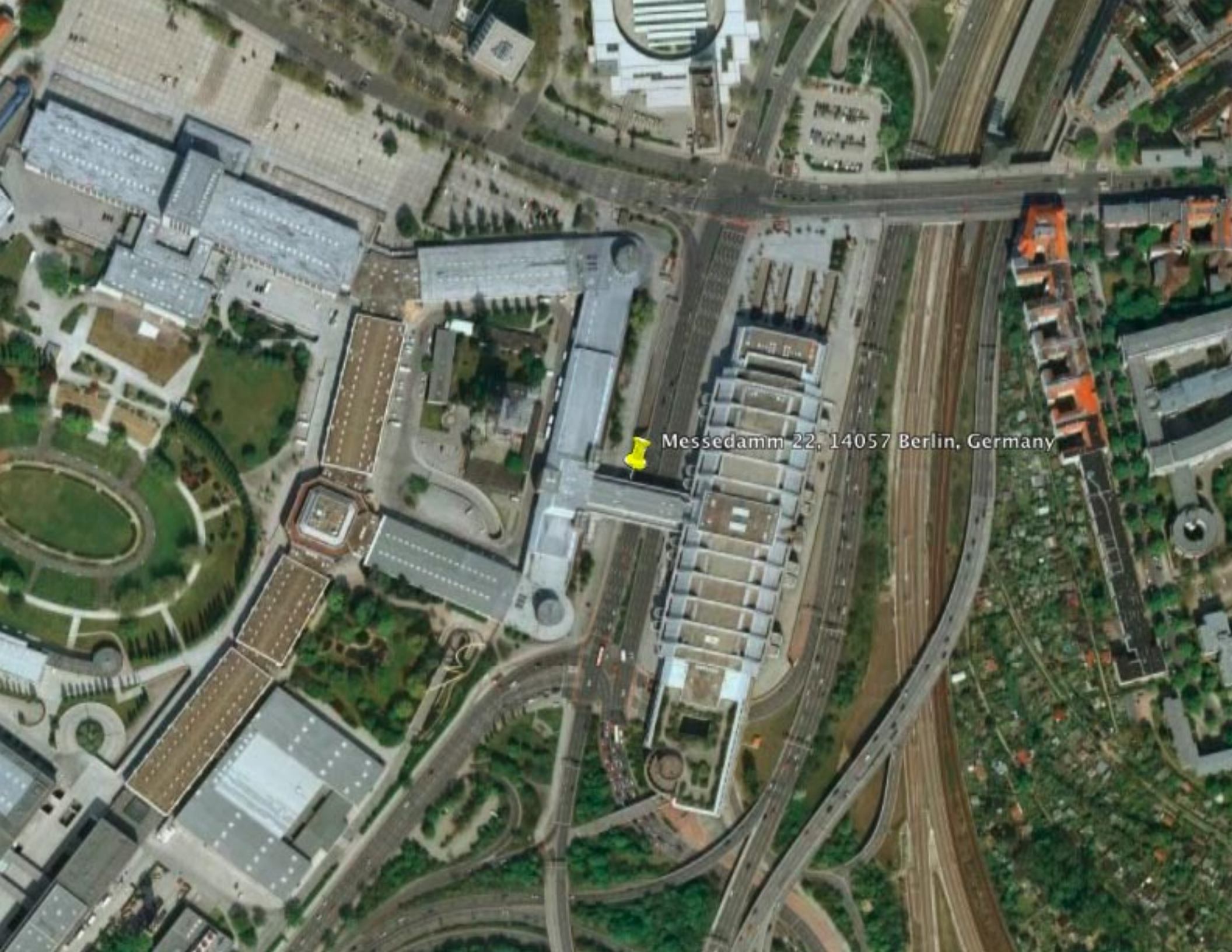
Messedamm 22
14057 Berlin, Germany

Get directions: [To here](#) - [From here](#)
[Search nearby](#) - [Save to My Maps](#)

Map Satellite Hybrid

500 ft
100 m

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Messedamm 22, 14057 Berlin, Germany

UNIX Pipes

for the Web

HTML | Webservice

d.Construct 2006



Jeffrey Veen



[Jeffrey Veen](#) is project lead for [Measure Map](#), the well-received web analytics tool recently acquired by [Google](#), where he now works as a Design Manager.

He is a founding partner of [Adaptive Path](#), and previously served as the Executive Interface Director for [Wired Digital](#) and [Lycos Inc.](#) In addition to lecturing and writing on Web design and development, Jeffrey has been active with the World Wide Web Consortium's CSS Editorial Review

Currently tracking 49.2 million sites and 2.7 billion links.

[Member Sign In](#) [Sign Up](#) [Help](#) [About](#)[Search](#) [Tags](#) [Blog Finder](#) [Explore](#)

Add hCard contacts to your address book BETA

Enter the URL of a page with hCard contact information ([What is hCard?](#)) to automatically add the contact information on that page into your address book application.

URL:

Get hCards favelet

Favelets let you take the power of the Technorati Contacts Feed Service with you wherever you go. Drag the following **Get hCard Contacts** link into your bookmarks / favorites bar, and use it when viewing a page with hCards to add them to your address book automatically.

- [Get hCard Contacts](#) - Add hCard contacts from the page you're on to your address book.

For more information on the hCard microformat, see the [hCard specification](#).

The Technorati Contacts Feed Service is currently beta.

[« Technorati Home](#)

Currently tracking 49.2 million sites and 2.7 billion links.

[Member Sign In](#) [Sign Up](#) [Help](#) [About](#)[Search](#) [Tags](#) [Blog Finder](#) [Explore](#)

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- [Get hCard Contacts](#) - Add hCard contacts from the page you're on to your address book.

For more information on the hCard microformat, see the [hCard specification](#).

The Technorati Contacts Feed Service is currently beta.

[« Technorati Home](#)

```

1 BEGIN:VCARD
2 PRODID:--//suda.co.uk//X2V 0.8 (BETA)//EN
3 SOURCE:http://2006.dconstruct.org/speakers
4 NAME:Speakers - d.Construct 2006: Web Application and Web 2.0 Conference
5 VERSION:3.0
6 N;LANGUAGE=en;CHARSET=UTF-8:Veen;Jeffrey;;;
7 ORG;CHARSET=UTF-8:Google
8 FN;LANGUAGE=en;CHARSET=UTF-8:Jeffrey Veen
9 PHOTO;VALUE=uri:http://2006.dconstruct.org/images/speakers/jeffrey.jpg
10 URL:http://www.veen.com/jeff/
11 END:VCARD

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12
13 BEGIN:VCARD
14 PRODID:--//suda.co.uk//X2V 0.8 (BETA)//EN
15 SOURCE:http://2006.dconstruct.org/speakers
16 NAME:Speakers - d.Construct 2006: Web Application and Web 2.0 Conference
17 VERSION:3.0
18 N;LANGUAGE=en;CHARSET=UTF-8:Keith;Jeremy;;;
19 ORG;CHARSET=UTF-8:Clearleft
20 FN;LANGUAGE=en;CHARSET=UTF-8:Jeremy Keith
21 PHOTO;VALUE=uri:http://2006.dconstruct.org/images/speakers/jeremy.jpg
22 URL:http://www.adactio.com
23 END:VCARD

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24
25 BEGIN:VCARD
26 PRODID:--//suda.co.uk//X2V 0.8 (BETA)//EN
27 SOURCE:http://2006.dconstruct.org/speakers
28 NAME:Speakers - d.Construct 2006: Web Application and Web 2.0 Conference
29 VERSION:3.0
30 N;LANGUAGE=en;CHARSET=UTF-8:Willison;Simon;;;
31 ORG;CHARSET=UTF-8:Yahoo!
32 FN;LANGUAGE=en;CHARSET=UTF-8:Simon Willison
33 PHOTO;VALUE=uri:http://2006.dconstruct.org/images/speakers/simon.jpg
34 URL:http://simon.incutio.com/
35 END:VCARD

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36
37 BEGIN:VCARD
38 PRODID:--//suda.co.uk//X2V 0.8 (BETA)//EN
39 SOURCE:http://2006.dconstruct.org/speakers
40 NAME:Speakers - d.Construct 2006: Web Application and Web 2.0 Conference World Wide Web
41 VERSION:3.0
42 N;LANGUAGE=en;CHARSET=UTF-8:Hammond;Paul;;;
43 ORG;CHARSET=UTF-8:Yahoo!
44 FN;LANGUAGE=en;CHARSET=UTF-8:Paul Hammond
45 PHOTO;VALUE=uri:http://2006.dconstruct.org/images/speakers/paul.jpg
46 URL:http://www.paulhammond.org/journal/
47 END:VCARD

```

Address Book



- Group
- All
 - Directories
 - Last Import

Name

 **Adding 7 new cards**



No Card Selected





- Group
- All
 - Directories
 - Last Import

- Name
- Aral Balkan
 - Jeff Barr
 - Paul Hammond
 - Jeremy Keith
 - Thomas Vander Wal
 - Jeffrey Veen**
 - Simon Willison



Jeffrey Veen

Google

home page <http://www.veen.com/jeff/>

Note: SOURCE: <http://2006.dconstruct.org/speakers>

Updated: 2006-07-22



HTML | Webservice | app

Berlin

[Stadtkreis Berlin](#) / [Bundesland Berlin](#) / [Germany](#)

Find events What? (e.g. jazz, U2, Lakers) Where?

Web 2.0 Expo Berlin

Tuesday, November 6, 2007 - Thursday, November 8, 2007
8:00 PM - 11:00 PM

TBA

none

Berlin, Bundesland Berlin

[\(Yahoo! Maps\)](#), [Google Maps](#)

CATEGORY

Commercial

DESCRIPTION

O'REILLY MEDIA AND CMP TECHNOLOGY LAUNCH WEB 2.0 EXPO BERLIN

Leading Event Series to Bring Together Europe's rapidly growing Web 2.0 Business and Developer Communities

SAN FRANCISCO – April 18, 2007 – O'Reilly Media, Inc. and CMP Technology, co-producers of the annual Web 2.0 Summit and the global Web 2.0 Expo event series, today announced the launch of a new conference and tradeshow that will bring together top leaders and technologists who are building, leveraging, and driving the European web economy. Web 2.0 Expo Berlin, scheduled for November 6-8, 2007, will be held at Fairground Berlin, Germany.

Web 2.0 Expo is designed to be the major annual European gathering of the technical, design, marketing, and business professionals who are building the next generation web. The event will have three major components: an educational conference, including both traditional seminar

 [I'm Attending](#)

 [I'm Watching](#)

93 Attending

 [NicoleSimon](#)

 [blackman](#)

 [alexanderljung](#)

 [adactio](#)

 [kosmar](#)

 [Charles_Nouyrit](#)

 [alper](#)

 [lconnectE](#)

 [fwhamm](#)

 [dittes](#)

Tags

[web2.0](#)

[germany](#)

[expo](#)

[conference](#)

Calendars

- (self)
- Íslandi
- Birthdays
- @internet
- @computer
- @errands
- @calls
- @email
- @meeting
- @home
- @work
- @conferences
- @confernces**
- @XTECH07
- XTech 2007
- BarCamp - The p...
- O'Reilly European...
- @Refresh Edinburgh
- @EUROSCON06
- @www2006
- @XTECH06
- Calendar Baggage
- SomeDayMaybe
- ProbablyNever
- VMS
- Library Loans

Sunda

Friday

Subscribe to:

<http://suda.co.uk/projects/X2V/get-vcal.php?uri=http://upcoming.yahoo.com/event/183827/>

Cancel

Subscribe

October 2007

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14	15	16	17	18		
21	22	23	24	25		

[http://suda.co.uk/projects/
X2V/get-vcac.php?uri=**http://
upcoming.yahoo.com/
event/183827/**](http://suda.co.uk/projects/X2V/get-vcac.php?uri=http://upcoming.yahoo.com/event/183827/)

iCal Atlantic/Reykjavik

Calendars

- (self)
- Íslandi
- Birthdays
- @internet
- @computer
- @errands
- @calls
- @email
- @meeting
- @home
- @work
- @conferences
 - @conferences
 - @XTECH07
 - XTech 2007
 - BarCamp - The p...
 - O'Reilly European...
 - @Refresh Edinburgh
 - @EUROSCON06
 - @www2006
 - @XTECH06
- Calendar Baggage
 - SomeDayMaybe
 - ProbablyNever
 - VMS
 - Library Loans
 - Web 2.0 Expo Berli...

November 2007

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
28	29	30	31	1	2	3
4	5	6 • 20:00 Web 2.0 Expo Berlin	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	1

November 2007

S M T W T F S

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18 19 20 21 22 23 24

25 26 27 28 29 30

Day Week **Month**

Events & To Dos

Web 2.0 Expo Berlin

TBA noneBerlin, Bundesland Berlin (Yahoo! Maps, Google Maps)

from 2007/11/06 at 20:00
to 2007/11/08 at 23:00
time zone Floating

calendar ■ Web 2.0...pcoming

url <http://berlin.web2expo.com/>

O'REILLY MEDIA AND CMP TECHNOLOGY LAUNCH WEB 2.0 EXPO BERLIN

Leading Event Series to Bring Together Europe's rapidly growing Web 2.0 Business and Developer Communities

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HTML | Tidy | XSLT | Maps

HTML

Berlin Web 2.0 Expo

Microformats: Web of Data

Web 2.0 Expo Berlin

Microformats: Web of Data

November 6th, 9:00 - 9:50

Messe Berlin GmbH

Messedamm 22

14055 Berlin Germany

Abstract

Microformats allow you to extend the limited semantics of HTML, thus allowing for a richer web of data. By embedding microformats into HTML it is possible to use the semantic meaning to extract unambiguous data from the web that can then be used in other applications. Microformats focus on how people are already publishing their data online. This session focuses on the more technical aspects of microformats, how they interact with other Semantic Web technologies such as GRDDL and SPARQL, along with a look at browser plugins to detect microformats and browser integration.

Downloads

- Download Slides [[Web2Expo.pdf \(0 MB\)](#)]

Recommended Reading

- O'Reilly: [Using Microformats](#)
- Microformats.org: [Microformats Wiki](#)
- Google: [Web Authoring Statistics](#)
- Planet Microformats: [Microformats Primer](#)

Meta

Places to find more information about EuroOSCON06 and Microformats

- Del.icio.us: [Web2Expo](#), [Microformats](#)
- Technorati: [Web2Expo](#), [Microformats](#)
- Google: [Web2Expo](#)

Tidy

Tidy your HTML

Address of document to tidy:

- indent
- enforce XML well-formedness of the results (may lead to loss of parts of the originating document if too ill-formed)

Stuff used to build this service

- [tidy](#)
- [xmllint](#) (for enforcing XML well-formedness)
- [python](#), apache, etc.

See also the [underlying Python script](#).

*script \$Revision: 1.56 \$ of \$Date: 2006/04/24 14:44:55 \$
by [Dan Connolly](#)
but I didn't do the real work, i.e. writing tidy*

XSLT

GEO Microformats

Introduction

These are *BETA* implementations of XSLT files to transform and Geo Data encoded XHTML file into various types of XML files.

- <http://microformats.org/wiki/geo>

GEO Microformats to XML

Extract Geo Data from URL

Tools

These are a few tools for anyone who wants to decode Geo data.

KML

If you want to create buttons or links to signal that a page is Geo data encoded, you can link to this transformation by using the following:

```
http://suda.co.uk/projects/microformats/geo/get-geo.php?  
type=kml&uri=<COMPLETE-URL-TO-YOUR-SITE>
```

Drag this bookmarklet to the bookmarks bar so you can grab KML data from any Geo data participating URL.
[View on Google Maps](#) (Drag link to the Bookmarks Bar).

Drag this bookmarklet to the bookmarks bar so you can view the GEO data on google maps.
[Extract KML data](#) (Drag link to the Bookmarks Bar).

The XSLT file used to transform the data is available at:

- [xhtml2kml.xsl](#)

GeoRSS

If you want to create buttons or links to signal that a

Maps



e.g., "10 market st, san francisco" or "hotels near lax"

http://suda.co.uk/projects/microformats/geo/get-geo.php?uri=http%3A%2F%

Search Maps

Search the map Find businesses Get directions

Search Results My Maps

KML Print Send Link to this page

Map Satellite Hybrid

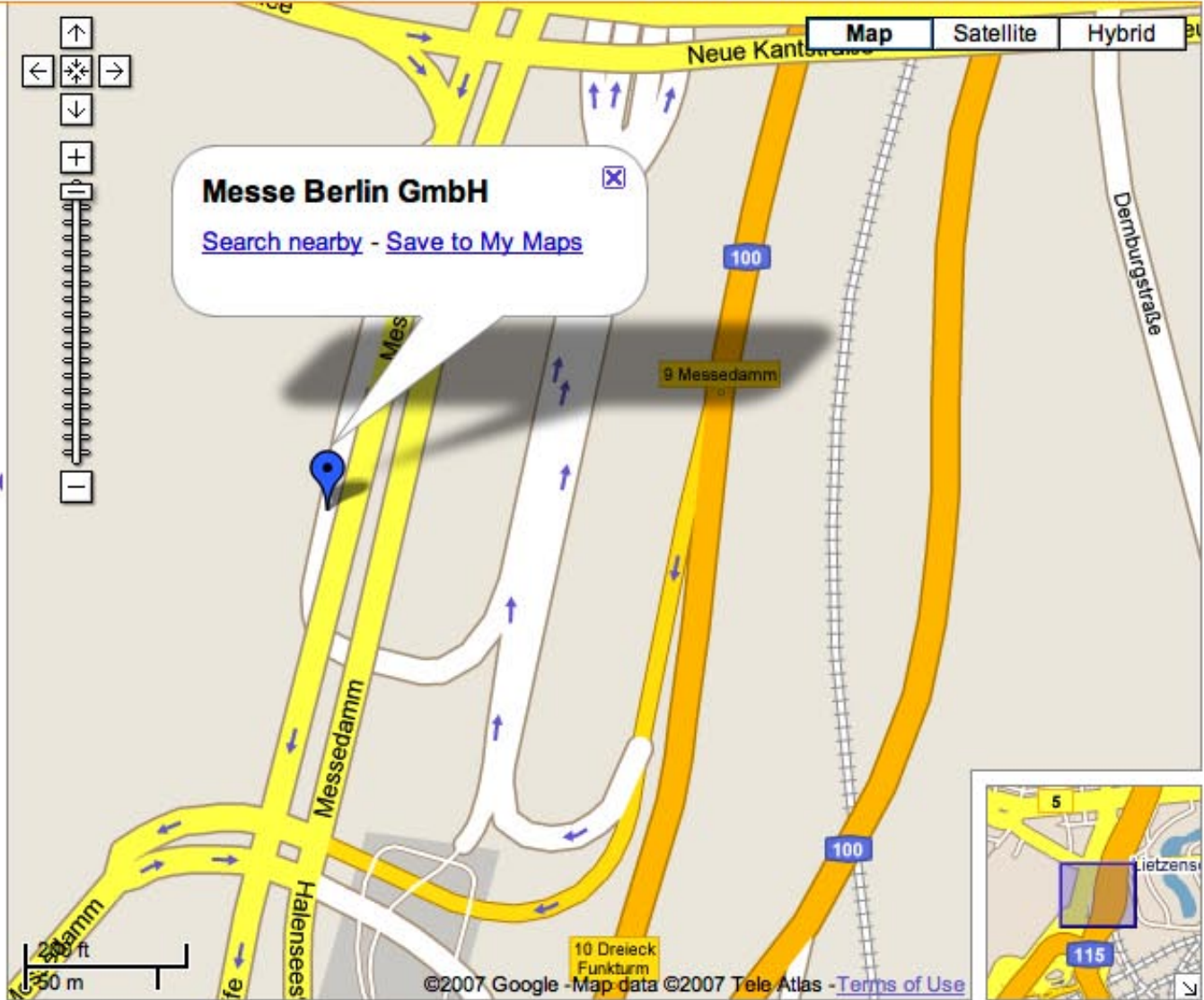
Contents

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Save to My Maps



<http://maps.google.com/maps?>

[q=http:%2F%2Fsuda.co.uk%2Fprojects%2Fmicroformats%2Fgeo%2Fget-geo.php%3Furi%3Dhttp%253A%252F%252Fcgi.w3.org%252Fcgi-bin%252Ftidy%253FdocAddr%253Dhttp%25253A%25252F%25252Fsudabot.com%25252Fweb2expo%26type%3Dkml](http://maps.google.com/maps?q=http:%2F%2Fsuda.co.uk%2Fprojects%2Fmicroformats%2Fgeo%2Fget-geo.php%3Furi%3Dhttp%253A%252F%252Fcgi.w3.org%252Fcgi-bin%252Ftidy%253FdocAddr%253Dhttp%25253A%25252F%25252Fsudabot.com%25252Fweb2expo%26type%3Dkml)

**Four services, loosely
coupled & piped together**

But wait....

there's more!

HTML | Translation | Tidy | XSLT | Maps

Berlin Web 2.0 Expo

Microformats: Web of Data

Web 2.0 Expo Berlin

Microformats: Web of Data

November 6th, 9:00 - 9:50

Messe Berlin GmbH

Messedamm 22

14055 Berlin Germany

Abstract

Microformats allow you to extend the limited semantics of HTML, thus allowing for a richer web of data. By embedding microformats into HTML it is possible to use the semantic meaning to extract unambiguous data from the web that can then be used in other applications. Microformats focus on how people are already publishing their data online. This session focuses on the more technical aspects of microformats, how they interact with other Semantic Web technologies such as GRDDL and SPARQL, along with a look at browser plugins to detect microformats and browser integration.

Downloads

- Download Slides [[Web2Expo.pdf \(0 MB\)](#)]

Recommended Reading

- O'Reilly: [Using Microformats](#)
- Microformats.org: [Microformats Wiki](#)
- Google: [Web Authoring Statistics](#)
- Planet Microformats: [Microformats Primer](#)

Meta

Places to find more information about EuroOSCON06 and Microformats

- Del.icio.us: [Web2Expo](#), [Microformats](#)
- Technorati: [Web2Expo](#), [Microformats](#)
- Google: [Web2Expo](#)

SUDA.CO.UK

Berlin Netz2.0 Expo

Microformats: Netz von Daten

[Netz2.0 Expo Berlin](#)

[Microformats: Netz von Daten](#)

[November 6., 9:00 - 9:50](#)

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14055 Berlin Deutschland

Auszug

Microformats erlauben Ihnen, die begrenzte Semantik von HTML zu verlängern und so lassen ein reicheres Netz von Daten zu. Indem man microformats in HTML einbettet, ist es möglich, die semantische Bedeutung zu verwenden, um eindeutige Daten vom Netz zu extrahieren, das in anderen Anwendungen dann verwendet werden kann. Microformats Fokus auf, wie Leute bereits Ihre Daten online veröffentlichen. Dieser Lernabschnitt konzentriert auf die technischeren Aspekte von microformats, wie sie auf andere semantische Netztechnologien wie GRDDL und SPARQL, zusammen mit einem Blick an den Datenbanksuchroutine plugins einwirken, um microformats und Datenbanksuchroutineintegration zu ermitteln.

Downloads

- [Download-Dias \[Web2Expo.pdf \(0 Mb\)\]](#)

Empfohlene Aktionen

Tidy your HTML

Address of document to tidy:

indent

enforce XML well-formedness of the results (may lead to loss of parts of the originating document if too ill-formed)

Stuff used to build this service

- [tidy](#)
- [xmllint](#) (for enforcing XML well-formedness)
- [python](#), apache, etc.

See also the [underlying Python script](#).

*script \$Revision: 1.56 \$ of \$Date: 2006/04/24 14:44:55 \$
by [Dan Connolly](#)
but I didn't do the real work, i.e. writing tidy*

GEO Microformats

Introduction

These are *BETA* implementations of [XSLT](#) files to transform and Geo Data encoded [XHTML](#) file into various types of XML files.

- <http://microformats.org/wiki/geo>

GEO Microformats to XML

Extract Geo Data from [URL](#)

Tools

These are a few tools for anyone who wants to decode Geo data.

KML

If you want to create buttons or links to signal that a page is Geo data encoded, you can link to this transformation by using the following:

```
http://suda.co.uk/projects/microformats/geo/get-geo.php?  
type=kml&uri=<COMPLETE-URL-TO-YOUR-SITE>
```

Drag this bookmarklet to the bookmarks bar so you can grab KML data from any Geo data participating [URL](#).
[View on Google Maps](#) (Drag link to the Bookmarks Bar).

Drag this bookmarklet to the bookmarks bar so you can view the GEO data on google maps.
[Extract KML data](#) (Drag link to the Bookmarks Bar).

The [XSLT](#) file used to transform the data is available at:

- [xhtml2kml.xsl](#)

GeoRSS

If you want to create buttons or links to signal that a



e.g., "10 market st, san francisco" or "hotels near lax"

<http://suda.co.uk/projects/microformats/geo/get-geo.php?uri=http%3A%2F%>

Search Maps

Search the map

Find businesses

Get directions

Search Results

My Maps

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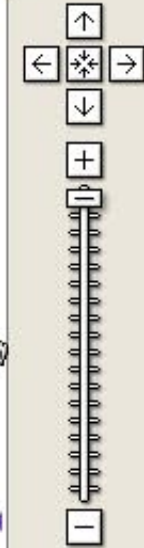
Save to My Maps

Contents

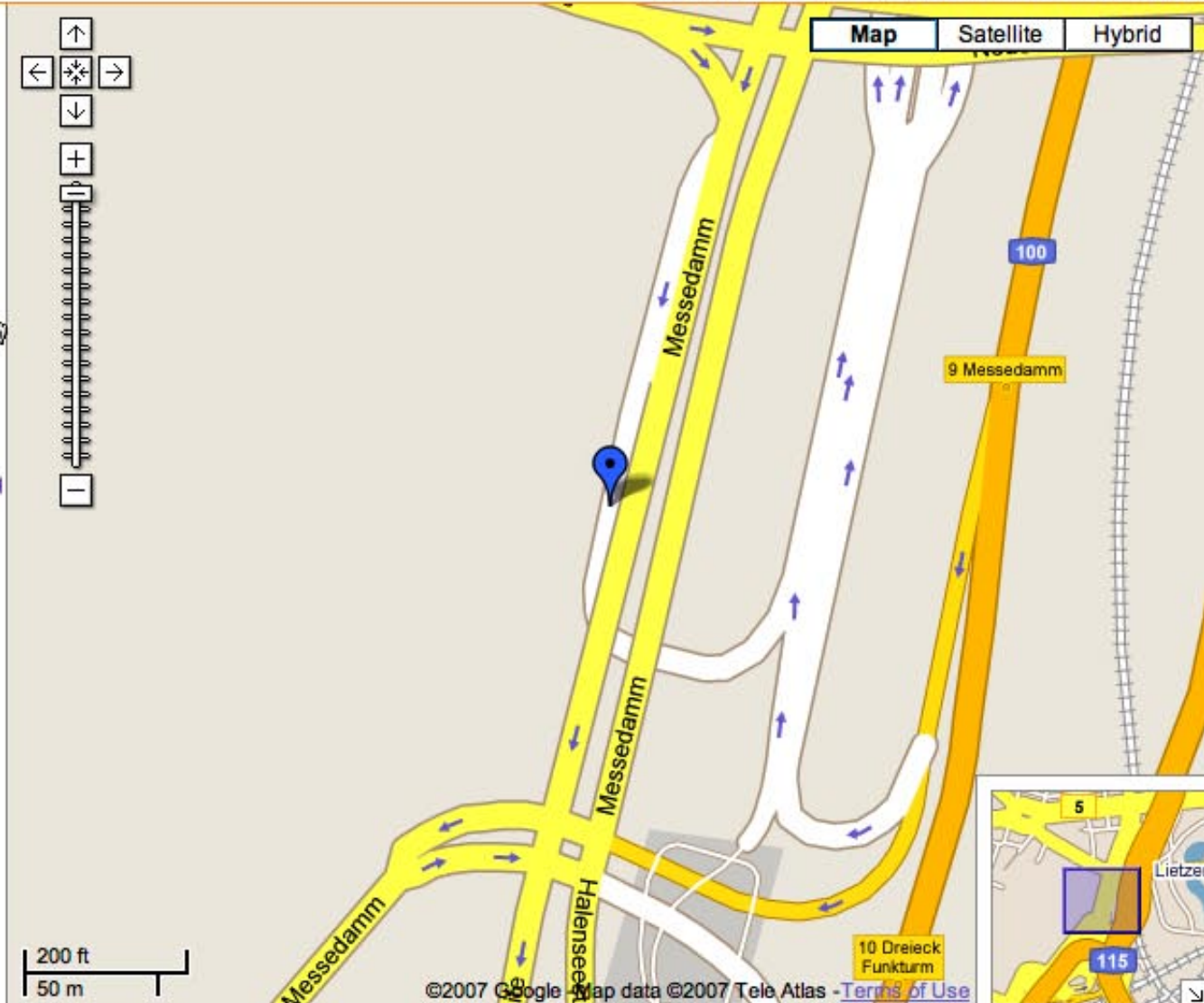
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[%3Furi%3Dhttp%253A%252F%252Fcgi.](http://www.w3.org)

[w3.org%252Fcgi-bin%252Ftidy%253FdocAd](http://www.w3.org)

[dr%253Dhttp%25253A%25252F%25252Fba](http://www.w3.org)

[belfish.altavista.com%25252Fbabelfish%252](http://www.w3.org)

[52Ftrurl_pagecontent%25253Fip%25253Den](http://www.w3.org)

[_de%252526url%25253Dhttp%2525253A%](http://www.w3.org)

[2525252F%2525252Fsuda.co.uk%2525252F](http://www.w3.org)

[Web2Expo%2525252F%26type%3Dkml](http://www.w3.org)

<http://icanhaz.com/berlin-web2expo-map>

<http://tinyurl.com/2xck2d>



<http://qrcode.kaywa.com/img.php?s=12&d=http%3A%2F%2Fficanhaz.com%2Fberlin-web2expo-map>

Data Importing

Ready To Get Some Satisfaction?

Nickname:
 For public display

Email Address:
 We will never share your email with anyone.

Password:
 6 characters or more

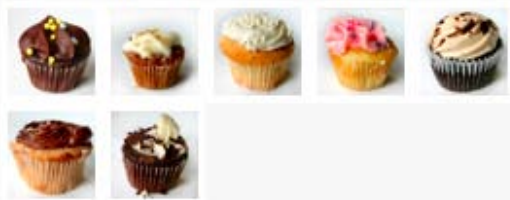
Repeat Password:

Add an icon

This helps identify you from everyone else



Choose from our selection of tasty cupcake icons



Do you use any of the following services?

Rather than creating yet another profile, why not start with one you already have?

Choose one of the following [hCard supported profiles](#). Or choose other to add your own.

 flickr	 technorati	 upcoming	 last.fm
 twitter	 cork'd	 other...	

Ready To Get Some Satisfaction?

Nickname:
For public display

Email Address:
We will never share your email with anyone.

Password:
6 characters or more

Repeat Password:

Full Name:

Website URL:

User Icon URL:

Location:

Add an icon

This helps identify you from everyone else



Choose from our selection of tasty cupcake icons



Do you use any of the following services?

Rather than creating yet another profile, why not start with one you already have?

Add your flickr user name
<http://www.flickr.com/people/>

Get flickr profile

Sweet! We found it!

Subscribe to get automatic updates from
<http://www.flickr.com/people/suda>

Subscribe to this profile


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Or choose other to add your own.


 flickr	 technorati	 upcoming	 last.fm
 twitter	 cork'd	 other...	


Where Next? { [Berlin...](#)
+ Add a trip

Type the name of a city or a traveller

Invite | **Invite via other networks**

 **Twitter contact import**

 Give us a username of a Twitter user and we will tell you if any of their contacts are on Dopplr.

 We won't send messages to anyone without your permission.


Twitter user


[Check Twitter](#)


Where Next? { [Berlin...](#)
+ Add a trip






Type the name of a city or a traveller

Invite | **Invite via other networks**

 **Twitter contact import**
The following travellers are listed as contacts in Twitter.





 Paul Boag Blandford Forum.	Share trips	 Stuart Colville Royal Tunbridge Wells.	Share trips
 Aaron Gustafson New Haven.	Share trips	 Brian Kelly Bath.	Share trips
 Kevin Marks San Jose.	Share trips		

We found [Paul Annett](#), [Danny Ayers](#), [Gavin Bell](#), [Matt Biddulph](#), [Uldis Bojars](#), [James Box](#), [Andy Budd](#), [Paul Downey](#), [Edd Dumbill](#), [Ian Forrester](#), [Steve Ganz](#), [Jeremy Keith](#), [Drew McLellan](#), [Brian Oberkirch](#), [Matt Patterson](#), [Richard Rutter](#), [Damien Tanner](#), [Andrew Turner](#), [Thomas Vander Wal](#), [Ben Ward](#) and [Simon Willison](#) who you already share trips with.



Group

All

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Last Import

@@NEEDS MORE INFO

@@to email

BarCampLondon2

Brian Suda

cell phone

dConstruct07

Edinburgh

EuroOSCON06

EuroWeb2.0Expo07

Family

Friends of ED/Apress

GRDDL

Háskóli

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- Ewa
- Jess
- Sim
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- Stefán Þór Stefánsson
- Fred Stutzman
- brian suda**
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- Mr. & Mrs. Michael & Ramo
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- Shawn Swinigin
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Note:



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- @@to email
- BarCampLondon2
- Brian Sudas
- cell phone
- dConstruct07
- Edinburgh
- EuroOSCON06
- EuroWeb2.0Expo07
- Family
- Friends of ED/Apress
- GRDDL
- Háskóli
- Highland Fling 07
- O'Reilly
- SMS Services
- SxSWi06
- Tech
- Work (PNMG)
- Work (TM-Software)
- www2006
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- Websites

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- Ewan Spence
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105 Reykjavík
Iceland

Note:

Data Sources

[Microformats: Empowering Your Markup for Web 2.0](#)

by **John Allsop**



Reviewed by [Nick Dunn](#)

Rating: ★★★★★

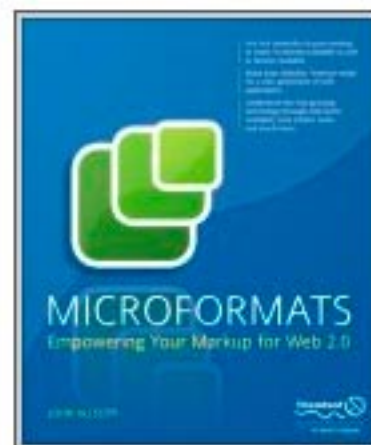
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An excellent guide to the weird and wonderful world of microformats

The other week John Allsopp's *Microformats: Empowering Your Markup for Web 2.0* dropped onto my doormat after a pre-order of several months. Paul Haine's *HTML Mastery* has a good introductory chapter about microformats, and Brian Suda's *Using Microformats* e-book is another worthy starting point. But neither are able to devote the time or leaf-space to providing a solid background to the microformats story and an in-depth look at the most common schemas.



- ISBN10: 1590598148
- ISBN13: 9781590598146
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★★★★★ (7)
 Matthew- "best pizza in town, hands down. where original recipies..." [more](#)

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Some of May's 17,770 Meetups:



FOREVER
BETA
(PROBABLY)

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ISS4PS

Information Systems Strategy for the Police Service

The Information Systems Strategy for the Police Service (ISS4PS) provides the policies and direction for Police ICT in England and Wales.



[Vision](#)

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[Volume One](#)

The Vision for Police ICT

In following the [ISS4PS](#), the development and robustly coordinated across the police

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Following on from the Matrix recreations in Sydney,



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[Kim Ngoun Agency of Jewelry Goldsmith](#)



Libraries

- 📦 PHP: <http://allinthehead.com/hkit>
- 📦 XSLT: <http://hg.microformats.org>
- 📦 Python: <http://www.plaxo.com/info/opensocialgraph>
- 📦 Ruby: <http://code.google.com/p/identity-matcher/>
- 📦 XSL & JS: <http://code.google.com/p/mf-optimus/>
- 📦 Textpattern: http://textpattern.org/plugins/525/pnh_mf
- 📦 <http://www.webstandards.org/action/dwtf/microformats/>
- 📦 Django: <http://code.google.com/p/django-psn/>

- 📦 <http://microformats.org/wiki/implementations>

screen-shots here


Microformats + GRDDL = RDF

With important applications such as connecting **microformats** to the Semantic Web, **GRDDL** is a mechanism to extract **RDF** statements from suitable XHTML and XML content using programs such as XSLT transformations. GRDDL allows powerful mash-ups at very low cost.

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Firesteed 2003 Pinot Noir

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Avg. Rating: **90.2**/100 (10 Reviews)

Your Rating: **0.0**/100 [Edit Rating](#)

Winery: Firesteed

Vintage: 2003

Varietal: Pinot Noir

Country: United States

Region: Oregon

Retail Price: ~~\$\$\$~~ 11.99 USD

Created by: [Dan Cederholm](#)

Purchase: [Buy this wine >](#)



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[balanced](#)[berry](#)[bright](#)[fruit](#)[fruity](#)[full-bodied](#)[oak](#)[ripe](#)[slippery](#)[spice](#)[sweet](#)



SPARQLer - General purpose processor

General SPARQL query : input query, set any options and press "Get Results"

```
PREFIX foaf: <http://xmlns.com/foaf/0.1/>
PREFIX rev: <http://dannyyayers.com/xmlns/rev/>

SELECT DISTINCT ?name ?rating

FROM <http://www.w3.org/2005/08/online_xslt/xslt?xslfile=http%3A%2F%2Fsuda.co.uk%
2Fsandbox%2FGRDDL%2Fhreview2rdfxml.xsl&xmfile=http%3A%2F%2Fcgi.w3.org%2Fcgi-bin%
2Ftidy%3FdocAddr%3Dhttp%253A%252F%252Fcorkd.com%252Fwine%252Fview%
252F1531&content-type=&submit=transform>

WHERE {
?x rev:reviewer ?rname.
?x rev:rating ?rating FILTER (?rating > 60).
?rname foaf:name ?name
}
```

Target graph URI (or use FROM in the query)

XSLT style sheet (leave blank for none): or JSON output:

SPARQLer Query Results

name	rating
"giff"	"90.0" ^^<http://www.w3.org/2001/XMLSchema#float>
"bill"	"90.0" ^^<http://www.w3.org/2001/XMLSchema#float>
"charmie"	"82.0" ^^<http://www.w3.org/2001/XMLSchema#float>
"absquatulate"	"90.0" ^^<http://www.w3.org/2001/XMLSchema#float>
"andy.mn"	"90.0" ^^<http://www.w3.org/2001/XMLSchema#float>
"adactio"	"90.0" ^^<http://www.w3.org/2001/XMLSchema#float>
"calebelston"	"90.0" ^^<http://www.w3.org/2001/XMLSchema#float>
"panoptos"	"90.0" ^^<http://www.w3.org/2001/XMLSchema#float>
"luque"	"95.0" ^^<http://www.w3.org/2001/XMLSchema#float>
"simplebits"	"95.0" ^^<http://www.w3.org/2001/XMLSchema#float>

General SPARQL query : input query, set any options and press "Get Results"

```
FROM <http://www.w3.org/2005/08/online_xslt/xslt?xslfile=http%3A%2F%2Fwww.w3.org%2F2003%2F12%2Frd-in-xhtml-xslts%2FgrokXFN.xsl&xmlfile=http%3A%2F%2Fcgi.w3.org%2Fcgi-bin%2Ftidy%3FdocAddr%3Dhttp%253A%252F%252Fcorkd.com%252Fpeople%252Fbriansuda&content-type=&submit=transform>

FROM <http://www.w3.org/2005/08/online_xslt/xslt?xslfile=http%3A%2F%2Fsuda.co.uk%2Fsandbox%2FGRDDL%2Fhreview2rdfxml.xsl&xmlfile=http%3A%2F%2Fcgi.w3.org%2Fcgi-bin%2Ftidy%3FdocAddr%3Dhttp%253A%252F%252Fcorkd.com%252Fwine%252Fview%252F1531&content-type=&submit=transform>

WHERE {
  ?x rev:reviewer ?rname.
  ?x rev:rating ?rating FILTER (?rating > 60)
  ?rname foaf:name ?name.
  ?rname foaf:homepage ?fhomepage.
  ?y xfn:friend ?xperson.
  ?xperson foaf:homepage ?xfnname FILTER (?xfnname = ?fhomepage)
}
```

Target graph URI (or use FROM in the query)

XSLT style sheet (leave blank for none): or JSON output:

SPARQLer Query Results

name	rating	xfnname	fhomepage
"adactio"	"90.0" ^^<http://www.w3.org/2001/XMLSchema#float>	<file:///people/adactio>	<file:///people/adactio>
"simplebits"	"95.0" ^^<http://www.w3.org/2001/XMLSchema#float>	<file:///people/simplebits>	<file:///people/simplebits>



Stuff in, triples out

<http://triplr.org/output/source-uri>

output-format is one of html, json, ntriples, rdf, rss or turtle.
source-uri is like example.org/foo/bar

```
# RDF/XML from HTML via GRDDL
http://triplr.org/rdf/www.w3.org/People/Connolly/
# RSS feed from HTML via GRDDL but don't put this in your RSS reader, use
# the direct RSS feed at http://www.w3.org/2000/08/w3c-synd/home.rss
http://triplr.org/rss/www.w3.org/
# Ntriples from RSS
http://triplr.org/ntriples/librdf.org/NEWS.rdf
# Good RSS from bad
http://triplr.org/rss/feeds.feedburner.com/jena-announce
# Turtle from RSS
http://triplr.org/turtle/feeds.wired.com/cultofmac
# Turtle from HTML via GRDDL
http://triplr.org/turtle/www.kanzaki.com/works/
# JSON triples about the Golden Gate Bridge
http://triplr.org/json/sws.geonames.org/5352844/about.rdf
# as above but prettier
http://triplr.org/json;pretty/sws.geonames.org/5352844/about.rdf
# You figure it out
http://triplr.org/rdf/triplr.org/when
```

[what](#), [why](#), [when](#), [how](#), [todo](#)

Resources

- 📦 <http://suda.co.uk/publications/Web2Expo/>
- 📦 <http://suda.co.uk/projects/microformats/cheatsheet/>
- 📦 <mailto:brian@suda.co.uk>
- 📦 <http://microformats.org/>
- 📦 <http://del.icio.us/tags/microformats/>
- 📦 <http://www.pingerati.net/>
- 📦 <http://kitchen.technorati.com/search/>
- 📦 <http://hg.microformats.org>
- 📦 <http://www.oreilly.com/catalog/microformats/>
- 📦 <https://addons.mozilla.org/en-US/firefox/addon/4106>

■ BatchBlue: Blog

Bookmarker: [j.joaquim](#)

<http://blog.batchblue.com/?p=29>

Published: October 17, 2007 22:02:16

■ Four Starters " The Future of Everything is Social: Consolidate and take back your social network

Bookmarker: [pfeaviour](#)

<http://fourstarters.com/2007/06/20/the-future-of-everything-is-social-consolidate-and-take-back-your-social-network/>

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Links

- [Microformats.org](#)
- [Microformatique.com](#)
- [Why Microformats](#)
- [Operator Plugin for Firefox](#)

Feeds

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Groups

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-  [Jyte](#)
-  [Ma.gnolia](#)
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-  [Upcoming](#)

Events

[Upcoming.org Events](#)

October 22, 2007

[FITC 'Get A Job Event' @ Hilton Los Angeles Universal City](#)

October 31, 2007

[Amazon's Anatomy: Launching & running st..... @ Hurricane Electric Building Two "Th](#)

November 8, 2007

[BlogWorld & New Media Expo @ Las Vegas Convention Center](#)

November 10, 2007

[User Experience Barcamp \(UXB\): A Night a..... @ Hurricane Electric Building Two "Th](#)

November 13, 2007

[Media Web Meet-up: Rock'n'Rebirth... @ Neue Songbird Nest](#)

January 28, 2008

[Web Directions North 2008 @ Hyatt Regency Vancouver](#)

February 23, 2008

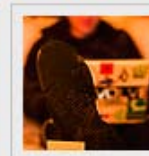
[TransitCampBayArea @ TBA](#)

March 7, 2008

[2008 SXSW Interactive Festival @ Austin Convention Center](#)

[More of Microformats's events](#)

Photos



JOHN ALLSOPP
Foreword by Tantek Çelik



MICROFORMATS

Empowering Your Markup for Web 2.0

- { Use rich semantics in your markup to make it machine-readable as well as human-readable
- { Make your websites “mashup-ready” for a new generation of web applications
- { Understand this fast-growing technology through this book’s real-world examples, case studies, tools, and much more

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Short Cuts

Using Microformats

By Brian Suda

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ISBN: 0-596-52817-5

Microformats let you share structured information in HTML web pages. Although the information is visible to human readers—as it should be—software can also extract structured information.

This Short Cut is a general introduction to the history of microformats and an explanation why these ideas are rocketing to the forefront of technology. It includes information and examples on how to add all of the popular microformats used and consumed today to your documents. Also included is discussion of where the idea behind microformats originated and why the microformats process is so open for everyone to contribute.

With millions of instances of microformats on the Web, isn't it about time to learn what it's all about?

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