

RKB, sameAs and dotAC

at

“2009: Beyond the Repository Fringe”

Edinburgh
30-31 July 2009

Hugh Glaser & Ian Millard



<sameAs>
interlinking the Web of Data



Linked Data

- Tim Berners-Lee

Tim Berners-Lee speaks on Linked Data

This slide set was presented at the TED 2009 conference, "The Great Unveiling" in Long Beach, CA. USA, 4, Feb 2009.

- <http://www.w3.org/2009/Talks/0204-ted-tbl/>
- “the Semantic Web done right, and the Web done right”
- <http://esw.w3.org/topic/SweoIG/TaskForces/CommunityProjects/LinkingOpenData>



Design Issues - Linked Data

Tim Berners-Lee

Date: 2006-07-27, last change: \$Date: 2007/05/02 14:30:56 \$

Status: personal view only. Editing status: imperfect but published.

- <http://www.w3.org/DesignIssues/LinkedData.html>
- Use URIs as names for things
- Use HTTP URIs so that people can look up those names.
- When someone looks up a URI, provide useful information.
- Include links to other URIs. so that they can discover more things.

RDF

- `<subject-uri> <predicate-uri> <object-uri>`

or

- `<subject-uri> <predicate-uri> "String"`

- Eg

@prefix rdf: <http://www.w3.org/1999/02/22-rdf-syntax-ns#> .

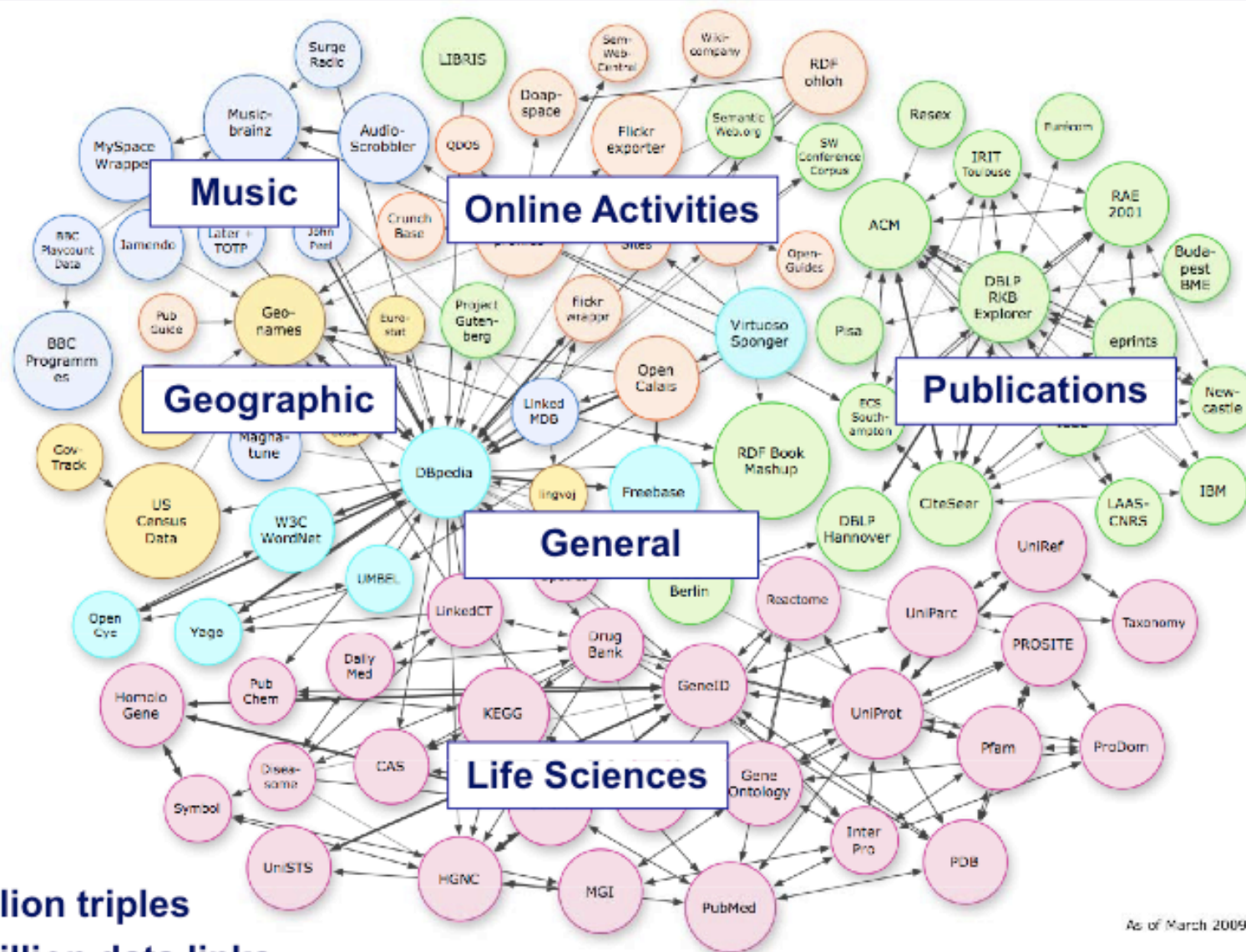
@prefix rdfs: <http://www.w3.org/2000/01/rdf-schema#> .

<http://resex.rkbexplorer.com/id/resilience-concept-de7f20d5> rdf:type <http://resex.rkbexplorer.com/ontologies/resex#Resilience-Concept> .

<http://resex.rkbexplorer.com/id/resilience-concept-de7f20d5> rdfs:label "UML model" .

<http://resex.rkbexplorer.com/id/resilience-concept-de7f20d5> <http://resex.rkbexplorer.com/ontologies/resex#has-description> "The UML modeling language describes the system architecture and behaviour in a standard way." .

LOD Datasets on the Web: March 2009



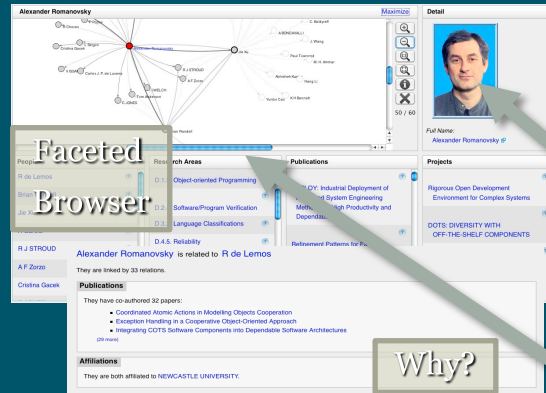
4.5 billion triples
180 million data links

As of March 2009

Knowledge-Enabled Research Support: RKBExplorer.com
Ian Millard & Hugh Glaser, {icm,hg}@ecs.soton.ac.uk

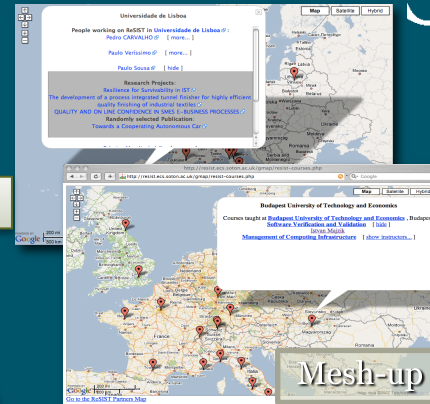
UNIVERSITY OF Southampton

School of Electronics and Computer Science



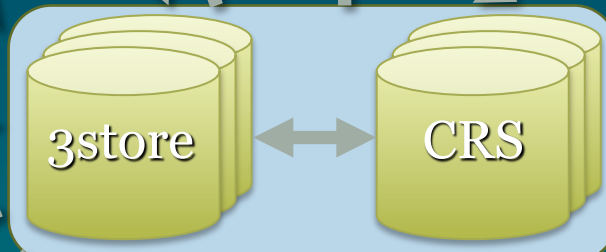
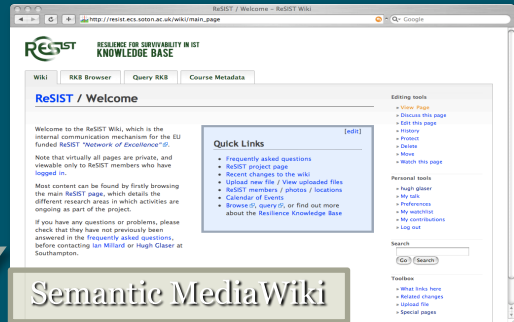
Why?

Fresnel renderer



Community of
Practice Analyser

Machine Learning



Coreference Analysis

Offline Conversion
& Versioning

Ontology Mapping Service

Ontologies

Resolving URIs
KISTI, dbpedia, etc.

CiteSeer, CORDIS, DBLP,
Partners, UN LoCode, ...



SPARQL Query Interface

This interface permits queries to be

Result format:

Query:

```
PREFIX rdf: <http://www.w3.org/1999/02/22-rdf-syntax-ns#>
PREFIX rdfs: <http://www.w3.org/2000/01/rdf-schema#>
PREFIX owl: <http://www.w3.org/2002/07/owl#>
PREFIX akt: <http://www.aktors.org/ontology#>
PREFIX akts: <http://www.aktors.org/ontology#>
```

SELECT * WHERE { ?s ?p ?string }

Yannis Kalligros

Identifiers for "Yannis Kalligros" in acm:Rkbexplorer.com ...

http://acm.rkbexplorer.com/olperson-329140

Other identifiers known by acm:Rkbexplorer.com in external repositories:

http://dbpedia.org/resource/Category:Computer_Science

http://dbpedia.org/resource/Category:Computer_Science

http://dbpedia.org/resource/Category:Computer_Science

http://dbpedia.org/resource/Category:Computer_Science

http://dbpedia.org/resource/Category:Computer_Science

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http://dbpedia.org/resource/Category:Computer_Science

http://dbpedia.org/resource/Category:Computer_Science

We are pleased to acknowledge the help and work provided by our ReSIST Partners and many others.
This work was supported by the ReSIST Network of Excellence, which is sponsored by the Information Society Technology (IST) priority under contract number IST 4 026764 NOE.

Some Underlying Sources

acm.rkbexplorer.com
budapest.rkbexplorer.com
citeseer.rkbexplorer.com
cordis.rkbexplorer.com
courseware.rkbexplorer.com
darmstadt.rkbexplorer.com
dblp.rkbexplorer.com
dbpedia.org
deepblue.rkbexplorer.com
deploy.rkbexplorer.com
epsrc.rkbexplorer.com
eurecom.rkbexplorer.com
ft.rkbexplorer.com
ibm.rkbexplorer.com
ieee.rkbexplorer.com
irit.rkbexplorer.com

italy.rkbexplorer.com
kaunas.rkbexplorer.com
kisti.rkbexplorer.com
laas.rkbexplorer.com
lisbon.rkbexplorer.com
newcastle.rkbexplorer.com
nsf.rkbexplorer.com
pisa.rkbexplorer.com
rae2001.rkbexplorer.com
resex.rkbexplorer.com
roma.rkbexplorer.com
southampton.rkbexplorer.com
ulm.rkbexplorer.com
unlocode.rkbexplorer.com
wiki.rkbexplorer.com
xxx.yyy.zzz

Range from a few 100 to more than 10,000,000 “facts”

Knowledge Sources

- Partners
 - Publications
 - Funding Agencies
 - Project Wiki
 - Courseware
 - Resilient-Explicit Computing
-
- Wide range, don't just look where you expect to find


For example

- Statistics for repository kisti.rkbexplorer.com
 - Last data assertion 2008-09-18 17:16:41
 - Number of triples 12815162
 - Number of symbols 3239105
 - Size of RDF dataset 671M

Co-Reference

- Repositories have people, publications, etc. from other institutions who also have records there and elsewhere
- And vice versa
- Co-Reference is a Big Problem
 - Everything is a URI (not title, name, number...)
 - Identifying multiple URIs for one resource
 - Rejecting incorrectly conflated resources
 - Publishing
 - Using
- Coldstart
 - A serious problem
 - Nothing is linked to anything

Co-Reference Service (CRS)

- CRS Subsystem
 - Find co-references
 - Store them
 - Publish them
 - Essentially:
 - $URI_i \rightarrow \{ URI_1, \dots, URI_i, \dots, URI_n \}$
 - Recommend a “Canon”
- Published by the Data Publisher
 - And possibly others
- Middleware aggregates co-references from recognised CRSes¹² 

CRS – Consistent Reference Service

- A service to manage and publish co-referent information
- Identify co-referent pairs using a set of tools
- Assert into the CRS
- Query the CRS
 - $URI_i \rightarrow \{ URI_1, \dots, URI_i, \dots, URI_n \}$
- Recommend a Canon

CRS continued

- CRS Policies are defined by context
 - Often one per Triplestore
 - Can be many per Triplestore for different purposes
 - May not be associated with a particular Triplestore
- Maintenance
 - Provenance
 - Rollback
- Can be used to infer owl:sameAs

Open System

- RKBExplorer is only one interface
 - And not a required part
- Services:
 - Details for a paper (the right hand pane in RKBExplorer):
 - <http://www.rkbexplorer.com/detail/?uri=http://southampton.rkbexplorer.com/id/eprints-12614>
 - Network of people for a publication (lower pane):
 - <http://www.rkbexplorer.com/network/?uri=http://southampton.rkbexplorer.com/id/eprints-12614&type=publication-person>
 - ...
- Other Interfaces (using the services)
 - Personal Web pages
 - iPhone
 - iGoogle Gadget



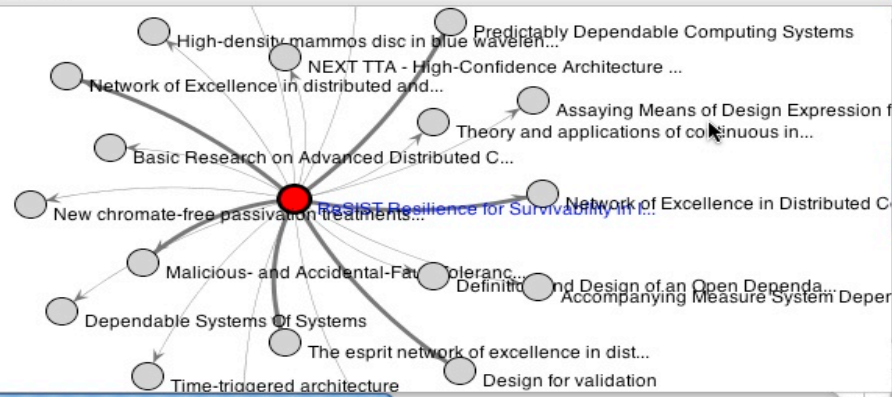


people research areas publications **projects** search

recently viewed reset help

Resilience for Survivability in IST

Maximize



21 / 20

Detail

Title:
Resilience for Survivability in IST

Other Names:
ReSIST Resilience for Survivability in IST

Funding:
4500000

Project Leader:
[Jean-Claude Laprie](#)

Leading Organisation:
Centre National de la recherche Scientifique

People

[Jean-Claude Laprie](#)

[Aad van Moorsel](#)

[Abdelmajid Khelil](#)

[Achour Mostefaou](#)

[Adnan Noon Mian](#)

[Afriz Jaffri](#)

[Agnan de Bonneval](#)

[Alberto Pasquini](#)

Research Areas

Information processing, information systems

Development Failure

Dependability And Security Analysis

Dependability And Security Provision

Publications

Revised version in Predictably dependable computing systems

ASSERT Automated proof based system and software engineering for real-time applications

Guide de la sûreté de fonctionnement

Projects

Malicious- and Accidental-Fault Tolerance for Internet Applications

The esprit network of excellence in distributed computing systems architectures

Design for validation

Network of Excellence in

[about](#) | [news](#) | [system requirements](#) | [acknowledgements](#) | [contact](#)

Or a Paper

RKBExplorer » Publications » A Web-Based Resource Model for eScience: Object Reuse & Exchange

http://www.rkbexplorer.com/explorer/#display=publication~%7Bhttp%3A//dblp.rkbexplorer.com/id/journals/corr/abs-0811-05: Google

RKBExplorer » Publications » A Web-Based Resource Model for eScience: Object Reuse & Exchange

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Related publications

Details

Title:
A Web-Based Resource Model for eScience: Object Reuse & Exchange

Author:
[Herbert Van de Sompel](#)
[Simeon Warner](#)
[Michael Nelson](#)
[Pete Johnston](#)
[Robert Sanderson](#)
[Carl Lagoze](#)

Web Address:
<http://arxiv.org/abs/0811.0573>

Journal:

Volume:
abs/0811.0573

People

- [Carl Lagoze](#)
- [Herbert Van de Sompel](#)
- [Michael Nelson](#)
- [Pete Johnston](#)
- [Robert Sanderson](#)
- [Simeon Warner](#)

Organisations

- [Cornell University](#)

Publications

- [Object Re-Use & Exchange: A Resource-Centric Approach](#)
- [Pathways: augmenting interoperability across scholarly repositories](#)
- [A Practical Ontology for the Large-Scale Modeling of Scholarly Artifacts and their Usage](#)
- [Access Interfaces for Open Archival Information Systems based on the OAI-PMH and the OpenURL Framework for Context-Sensitive Services](#)
- [An Architecture for the Aggregation and Analysis of Scholarly Usage Data](#)

Research Areas

No results found

Now Look at an Author

RKBExplorer » People » Carl Lagoze

Search... Search

about system requirements
help data sources
contact acknowledgements

Related people

Details

Full Name:
[Carl Lagoze](#)

Email Address:
lagoze@cs.cornell.edu

Raw Linked Data:
[Resolvable URI](#)
[All Known Co-reference Data](#)

View in external viewer:
[Zitgist Data Viewer](#)
[OpenLink Data Explorer](#)
[Tabulator \(Firefox only\)](#)

People

- [Herbert Van de Sompel](#)
- [Dean Krafft](#)
- [Donna Bergmark](#)
- [James R. Davis](#)
- [John Saylor](#)
- [Pavel Dmitriev](#)
- [Simeon Warner](#)
- [Carol Terrizzi](#)
- [Diane Hillmann](#)
- [Jane Hunter](#)

Research Areas

- [H.3.7. Digital Libraries](#)
- [H.3.5. Online Information Services](#)
- [H.3.3. Information Search and Retrieval](#)
- [H.3.4. Systems and Software](#)
- [H.3.6. Library Automation](#)
- [H.5.3. Group and Organization Interfaces](#)
- [I.7. DOCUMENT AND TEXT PROCESSING](#)
- [C.2.1. Network Architecture and Protocols](#)

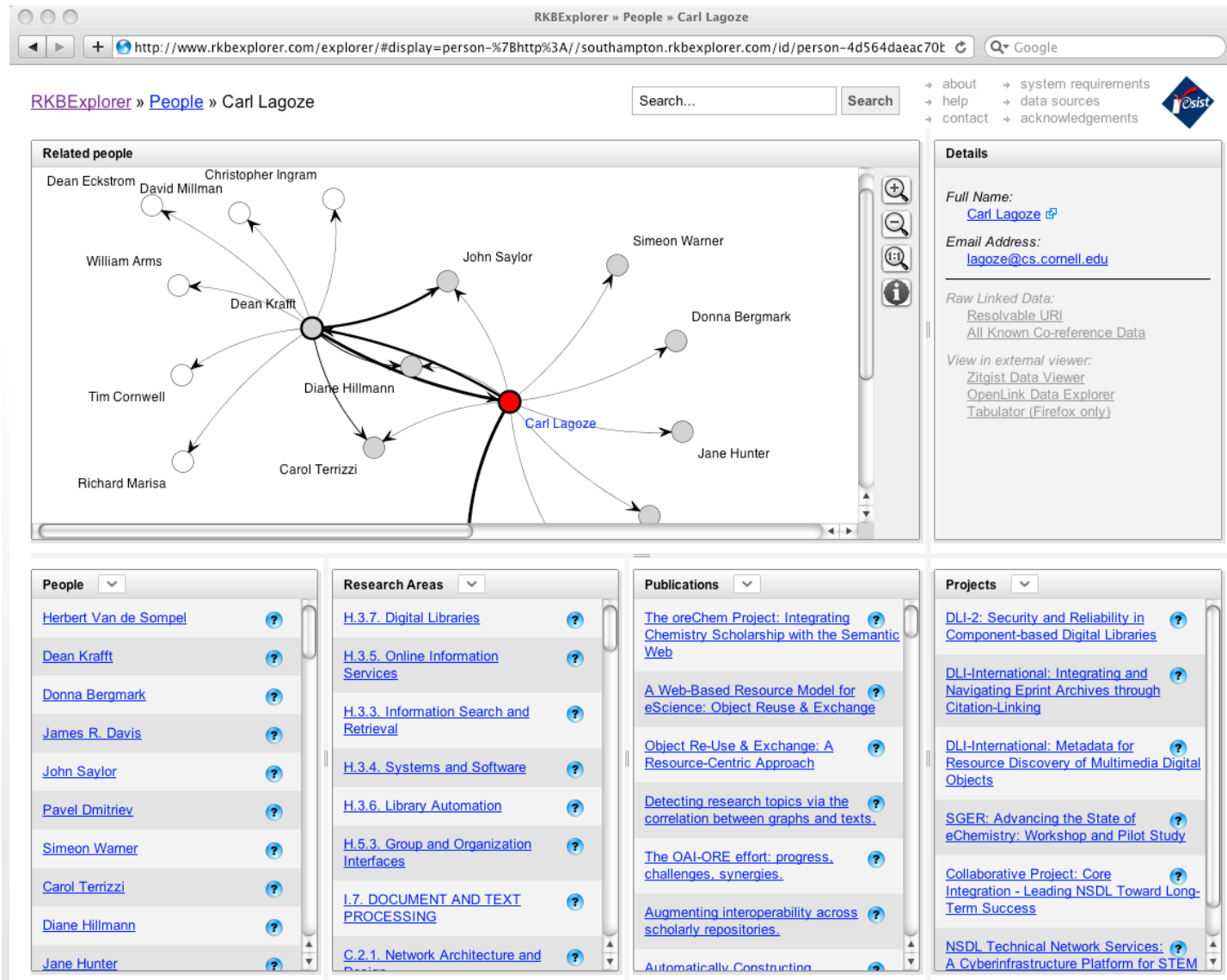
Publications

- [The oreChem Project: Integrating Chemistry Scholarship with the Semantic Web](#)
- [A Web-Based Resource Model for eScience: Object Reuse & Exchange](#)
- [Object Re-Use & Exchange: A Resource-Centric Approach](#)
- [Detecting research topics via the correlation between graphs and texts.](#)
- [The OAI-ORE effort: progress, challenges, synergies.](#)
- [Augmenting interoperability across scholarly repositories.](#)
- [Automatically Constructing](#)

Projects

- [DLI-2: Security and Reliability in Component-based Digital Libraries](#)
- [DLI-International: Integrating and Navigating Eprint Archives through Citation-Linking](#)
- [DLI-International: Metadata for Resource Discovery of Multimedia Digital Objects](#)
- [SGER: Advancing the State of eChemistry: Workshop and Pilot Study](#)
- [Collaborative Project: Core Integration - Leading NSDL Toward Long-Term Success](#)
- [NSDL Technical Network Services: A Cyberinfrastructure Platform for STEM](#)

Or a Couple of People



And how
they are
linked

And Why they are Linked?

The screenshot shows a web browser window with the URL <http://www.rkbexplorer.com/cop/>. The browser's address bar and search bar are visible. The website header includes the **resist** logo and the URL www.rkbexplorer.com. The main content area displays a connection between **Carl Lagoze** and **Dean Krafft**, stating they are linked by 9 relations. Below this, three sections are shown: **Publications**, **Affiliations**, and **Projects**. The **Publications** section lists three co-authored papers: 'Core services in the architecture of the national science digital library (NSDL)', 'An information network overlay architecture for the NSDL', and 'Metadata aggregation and \'automated digital libraries\': A retrospective on the NSDL experience'. The **Affiliations** section states they are both affiliated with **Cornell University**. The **Projects** section lists two projects: 'NSDL Technical Network Services: A Cyberinfrastructure Platform for STEM Education' and 'Collaborative Project: Core Integration - Leading NSDL toward Long-Term Success'.

Publications

They have co-authored 6 papers:

- Core services in the architecture of the national science digital library (NSDL)
- An information network overlay architecture for the NSDL
- Metadata aggregation and \'automated digital libraries\': A retrospective on the NSDL experience

(3 more)

Affiliations

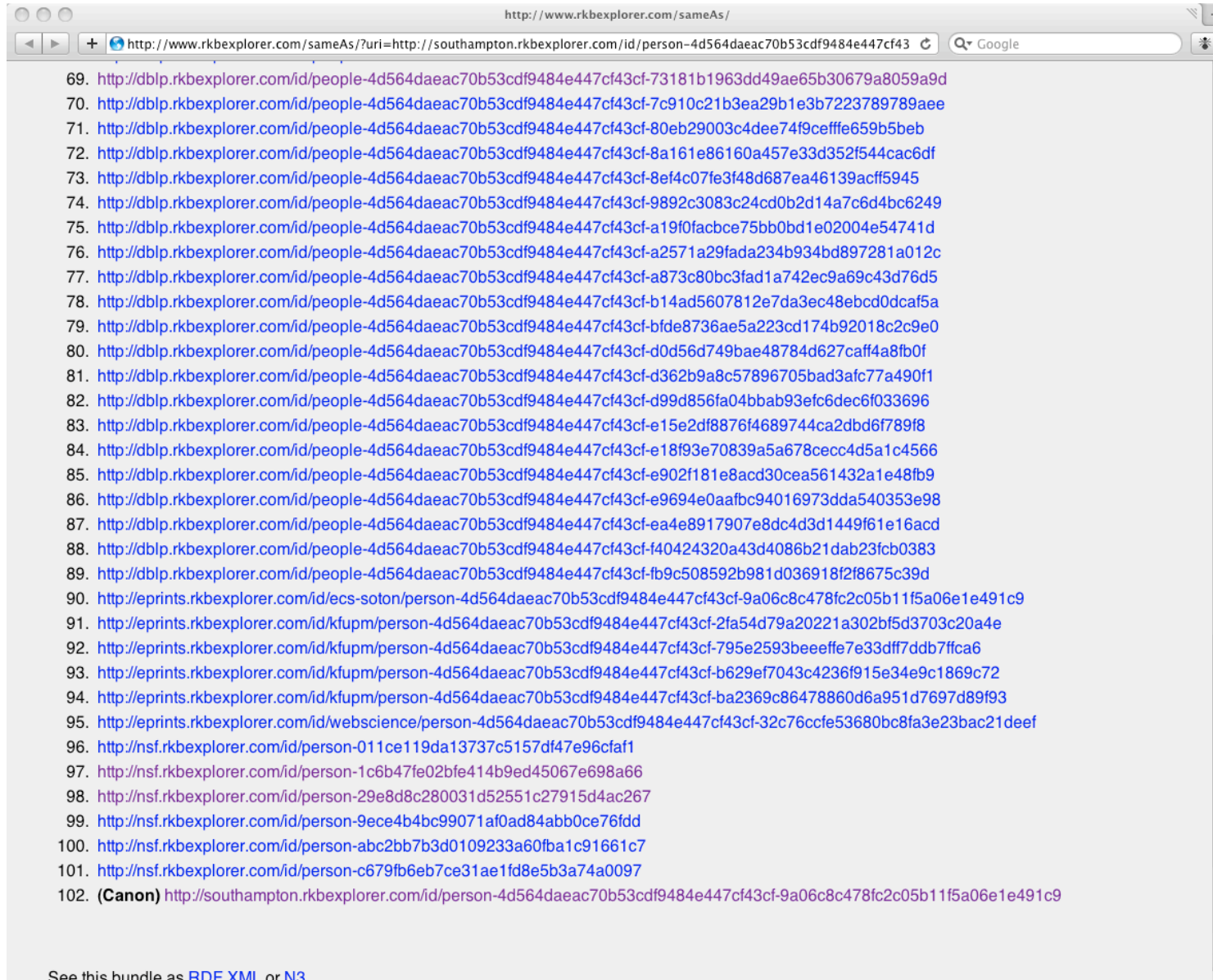
They are both affiliated to **Cornell University**.

Projects

They are both members of 2 projects:

- NSDL Technical Network Services: A Cyberinfrastructure Platform for STEM Education
- Collaborative Project: Core Integration - Leading NSDL toward Long-Term Success

Who is Carl Lagoze?



69. <http://dblp.rkbexplorer.com/id/people-4d564daeac70b53cdf9484e447cf43cf-73181b1963dd49ae65b30679a8059a9d>

70. <http://dblp.rkbexplorer.com/id/people-4d564daeac70b53cdf9484e447cf43cf-7c910c21b3ea29b1e3b7223789789aee>

71. <http://dblp.rkbexplorer.com/id/people-4d564daeac70b53cdf9484e447cf43cf-80eb29003c4dee74f9ceffe659b5beb>

72. <http://dblp.rkbexplorer.com/id/people-4d564daeac70b53cdf9484e447cf43cf-8a161e86160a457e33d352f544cac6df>

73. <http://dblp.rkbexplorer.com/id/people-4d564daeac70b53cdf9484e447cf43cf-8ef4c07fe3f48d687ea46139acff5945>

74. <http://dblp.rkbexplorer.com/id/people-4d564daeac70b53cdf9484e447cf43cf-9892c3083c24cd0b2d14a7c6d4bc6249>

75. <http://dblp.rkbexplorer.com/id/people-4d564daeac70b53cdf9484e447cf43cf-a19f0facbce75bb0bd1e02004e54741d>

76. <http://dblp.rkbexplorer.com/id/people-4d564daeac70b53cdf9484e447cf43cf-a2571a29fada234b934bd897281a012c>

77. <http://dblp.rkbexplorer.com/id/people-4d564daeac70b53cdf9484e447cf43cf-a873c80bc3fad1a742ec9a69c43d76d5>

78. <http://dblp.rkbexplorer.com/id/people-4d564daeac70b53cdf9484e447cf43cf-b14ad5607812e7da3ec48ebcd0dcdf5a>

79. <http://dblp.rkbexplorer.com/id/people-4d564daeac70b53cdf9484e447cf43cf-bfde8736ae5a223cd174b92018c2c9e0>

80. <http://dblp.rkbexplorer.com/id/people-4d564daeac70b53cdf9484e447cf43cf-d0d56d749bae48784d627caff4a8fb0f>

81. <http://dblp.rkbexplorer.com/id/people-4d564daeac70b53cdf9484e447cf43cf-d362b9a8c57896705bad3afc77a490f1>

82. <http://dblp.rkbexplorer.com/id/people-4d564daeac70b53cdf9484e447cf43cf-d99d856fa0bbab93efc6dec6f033696>

83. <http://dblp.rkbexplorer.com/id/people-4d564daeac70b53cdf9484e447cf43cf-e15e2df8876f4689744ca2dbd6f789f8>

84. <http://dblp.rkbexplorer.com/id/people-4d564daeac70b53cdf9484e447cf43cf-e18f93e70839a5a678cecc4d5a1c4566>

85. <http://dblp.rkbexplorer.com/id/people-4d564daeac70b53cdf9484e447cf43cf-e902f181e8acd30cea561432a1e48fb9>

86. <http://dblp.rkbexplorer.com/id/people-4d564daeac70b53cdf9484e447cf43cf-e9694e0aafbc94016973dda540353e98>

87. <http://dblp.rkbexplorer.com/id/people-4d564daeac70b53cdf9484e447cf43cf-ea4e8917907e8dc4d3d1449f61e16acd>

88. <http://dblp.rkbexplorer.com/id/people-4d564daeac70b53cdf9484e447cf43cf-f40424320a43d4086b21dab23fcb0383>

89. <http://dblp.rkbexplorer.com/id/ecs-soton/person-4d564daeac70b53cdf9484e447cf43cf-fb9c508592b981d036918f2f8675c39d>

90. <http://eprints.rkbexplorer.com/id/ecs-soton/person-4d564daeac70b53cdf9484e447cf43cf-9a06c8c478fc2c05b11f5a06e1e491c9>

91. <http://eprints.rkbexplorer.com/id/kfupm/person-4d564daeac70b53cdf9484e447cf43cf-2fa54d79a20221a302bf5d3703c20a4e>

92. <http://eprints.rkbexplorer.com/id/kfupm/person-4d564daeac70b53cdf9484e447cf43cf-795e2593beeeffe7e33dff7ddb7ffca6>

93. <http://eprints.rkbexplorer.com/id/kfupm/person-4d564daeac70b53cdf9484e447cf43cf-b629ef7043c4236f915e34e9c1869c72>

94. <http://eprints.rkbexplorer.com/id/kfupm/person-4d564daeac70b53cdf9484e447cf43cf-ba2369c86478860d6a951d7697d89f93>

95. <http://eprints.rkbexplorer.com/id/webscience/person-4d564daeac70b53cdf9484e447cf43cf-32c76ccfe53680bc8fa3e23bac21deef>

96. <http://nsf.rkbexplorer.com/id/person-011ce119da13737c5157df47e96cfa1>

97. <http://nsf.rkbexplorer.com/id/person-1c6b47fe02bfe414b9ed45067e698a66>

98. <http://nsf.rkbexplorer.com/id/person-29e8d8c280031d52551c27915d4ac267>

99. <http://nsf.rkbexplorer.com/id/person-9ece4b4bc99071af0ad84abb0ce76fdd>

100. <http://nsf.rkbexplorer.com/id/person-abc2bb7b3d0109233a60fba1c91661c7>

101. <http://nsf.rkbexplorer.com/id/person-c679fb6eb7ce31ae1fd8e5b3a74a0097>

102. **(Canon)** <http://southampton.rkbexplorer.com/id/person-4d564daeac70b53cdf9484e447cf43cf-9a06c8c478fc2c05b11f5a06e1e491c9>

Co-Reference Closure

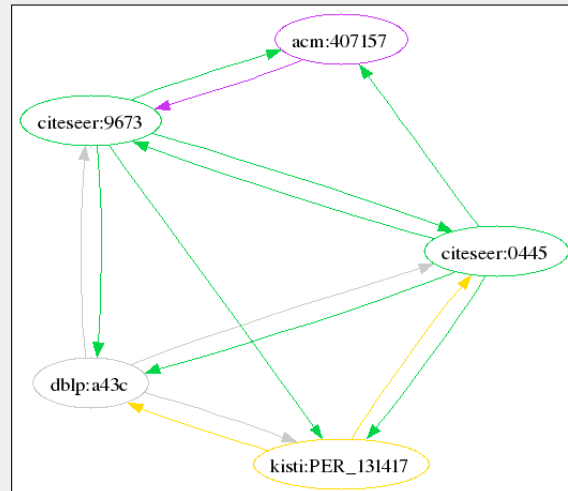
Complete Co-Reference Information

This service computes the equivalence class within the known URIs for a specified URI, by consulting all relevant CRS knowledge bases.

Equivalent URIs...

1. **(Canon)** <http://acm.rkbexplorer.com/id/person-407157>
2. <http://citeseer.rkbexplorer.com/id/resource-CSP179673>
3. <http://citeseer.rkbexplorer.com/id/resource-CSP180445>
4. <http://dblp.rkbexplorer.com/id/people-1ec5a600299222dd6374695ef5214f05-90d423eb148125a6e5c573dc5a15a43c>
5. http://kisti.rkbexplorer.com/id/PER_0000000000000131417

The following diagram shows the interconnectivity between the CRS knowledge bases which maintain the context-dependent representation of coreference for each of the RKBExplorer domains.



Seungwoo Lee

Showing information queried from all repositories ...

Showing information queried from all repositories ...

Subject	Property	Object/Value	Source
Seungwoo Lee	akt:full-name	Seungwoo Lee [Explore]	acm-periodicals.rdf >>
Seungwoo Lee	akt:full-name	Seungwoo Lee [Explore]	acm-proceedings.rdf >>
Seungwoo Lee	akt:full-name	Seungwoo Lee [Explore]	dblp-publications-2001.rdf >>
Seungwoo Lee	akt:has-affiliation	Electrical and Computer Engineering Division, Pohang University of Science & Technology (POSTECH), Pohang, South Korea.gblee@postech.ac.kr	acm-periodicals.rdf >>
Seungwoo Lee	akt:has-affiliation	POSTECH, Pohang, Korea	acm-proceedings.rdf >>
Seungwoo Lee	kisti:engNameOfPerson	Seungwoo Lee [Explore]	datatypeproperties.ttl >>
Seungwoo Lee	rdf:type	akt:Affiliated-Person	acm-periodicals.rdf >>
Seungwoo Lee	rdf:type	akt:Affiliated-Person	acm-proceedings.rdf >>
Seungwoo Lee	rdf:type	Generic Agent	acm-periodicals.rdf >>
Seungwoo Lee	rdf:type	Generic Agent	acm-proceedings.rdf >>
Seungwoo Lee	rdf:type	Generic Agent	dblp-publications-2001.rdf >>
Seungwoo Lee	rdf:type	akt:Person	acm-periodicals.rdf >>
Seungwoo Lee	rdf:type	akt:Person	acm-proceedings.rdf >>
Seungwoo Lee	rdf:type	akt:Person	dblp-publications-2001.rdf >>
Seungwoo Lee	rdf:type	PER_char(20)^^^	datatypeproperties.ttl >>
Seungwoo Lee	rdf:type	PER_char(20)^^^	objectproperties.ttl >>
Seungwoo Lee	rdf:type	PER_char(20)^^^	resources.ttl >>

Subject	Property	Object	Source
Automatic acquisition of named entity tagged corpus from world wide web	akt:has-author	Seungwoo Lee	acm-proceedings.rdf >>
A Corpus-Based Learning Method of Compound Noun Indexing Rules for Korean	akt:has-author	Seungwoo Lee	acm-periodicals.rdf >>
SiteQ: Engineering High Performance QA System Using Lexico-Semantic Pattern Matching and Shallow NLP.	akt:has-author	Seungwoo Lee	dblp-publications-2001.rdf >>
A Corpus-Based Learning Method of Compound Noun			dblp-publications-



Finding Co-reference

The screenshot shows a web browser window with the address bar displaying `http://sameas.org/html?q=Les+Carr&x=24&y=22`. The page title is "Les Carr « owl:sameAs". The main heading is "<sameAs> interlinking the Web of Data". Below this, a text block explains the service: "The Web of Data has many equivalent URIs. This service helps you to find co-references between different data sets. Enter a known URI, or use Sindice to search first." There are two search input fields: one for "<sameAs>" containing the URI `http://southampton.rkbexplorer.com/`, and another for "Sindice" containing the name "Les Carr". The search results section, titled "Search results from Sindice, with co-references applied...", shows a list of URIs under the heading "Sindice 'Les Carr'". The list includes three URIs from `http://southampton.rkbexplorer.com/` and one from `http://kisti.rkbexplorer.com/`. A link "Show 118 more" is visible. Below the list, there is a link "Sindice 'Les Carr'" and a single URI from `http://dblp.l3s.de/d2r/resource/authors/Les_Carr`. At the bottom, it states "Currently serving 23268924 URIs in 8454882 bundles!" and includes links for "about" and "contact", along with a Creative Commons BY-NC-SA license logo.

Les Carr « owl:sameAs

http://sameas.org/html?q=Les+Carr&x=24&y=22

Google

iGoogle Canada dwb IPK iPhone RKB Freqs iPhone Single (51) And ECS Benny Uni DH UoS ReSIST MacOS X Football

Les Carr « owl:sameAs

<sameAs>

interlinking the Web of Data

The Web of Data has many equivalent URIs.
This service helps you to find co-references
between different data sets.
Enter a known URI, or use Sindice to search first.

<sameAs>

Sindice

Search results from [Sindice](#), with co-references applied...

Sindice "Les Carr"

<sameAs> {

1. <http://southampton.rkbexplorer.com/id/person-00060>
2. <http://southampton.rkbexplorer.com/id/person-98e0f2e8dd84b079a54318...f484814122>
3. <http://southampton.rkbexplorer.com/id/person-a635f51b18c81bf1df7dab...84425e0250>

Show 118 more

122. http://kisti.rkbexplorer.com/id/PER_000000000000000081787

rdf+xml · n3 · json · text

Sindice "Les Carr"

<sameAs> {

1. http://dblp.l3s.de/d2r/resource/authors/Les_Carr

rdf+xml · n3 · json · text

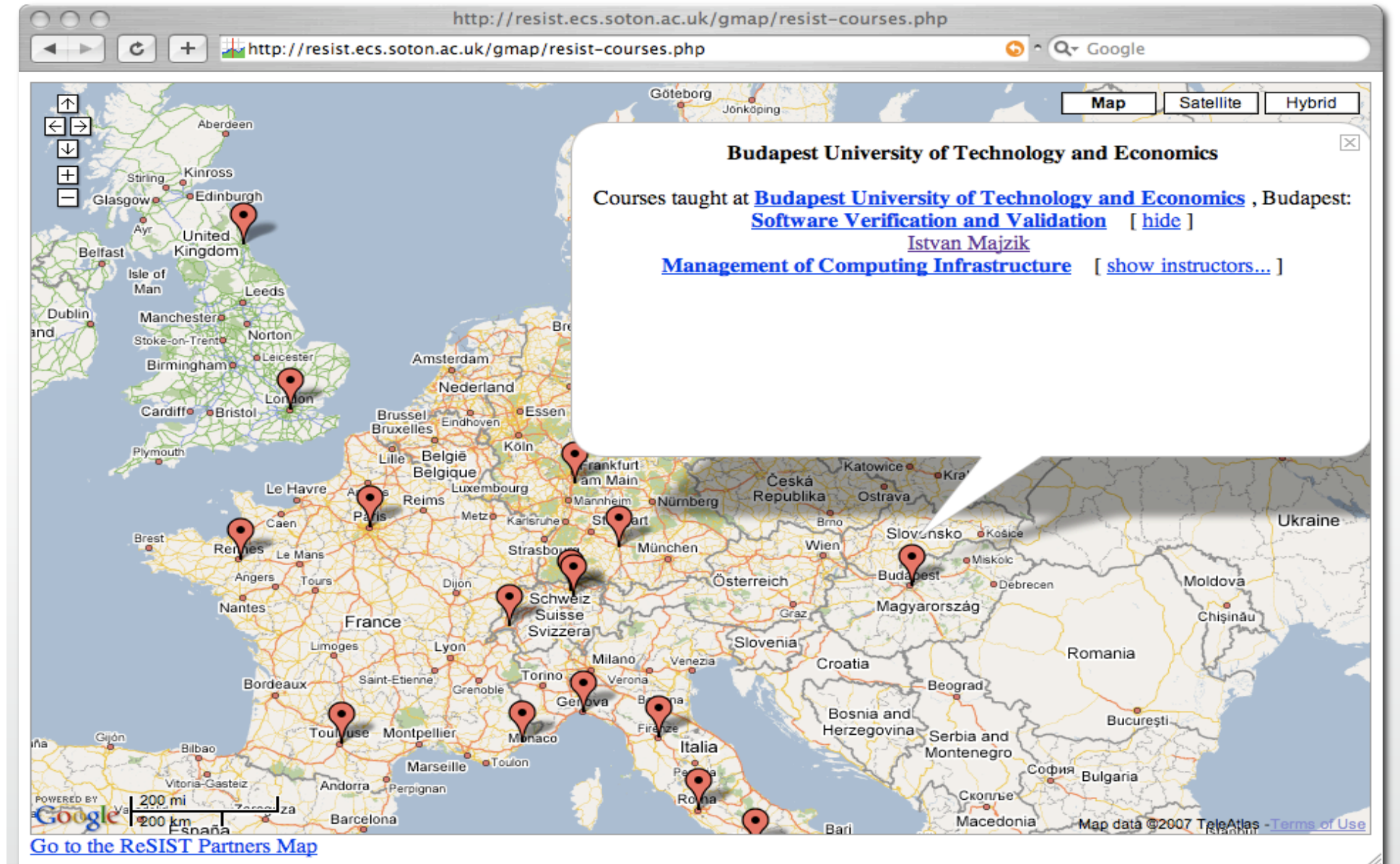
Currently serving 23268924 URIs in 8454882 bundles!

about · contact

CC BY-NC-SA

Where is it Taught?

UNIVERSITY OF
Southampton
School of Electronics
and Computer Science



Gadget – find out about people



The image shows three overlapping screenshots of the RKBExplorer application, which is used for finding information about people. The application has a blue header bar with the title 'RKBExplorer » Networks (Communities of Practice)'. The main content area is yellow and contains search results.

Left Screenshot: Shows search results for 'Carl Lagoze'. The search bar contains 'Carl Lagoze' and the results show 'Found 1 result for "Carl Lagoze"' with a link to 'Carl Lagoze'. Below this, there is a list of names: James Allan, Massoud Amin, Ross Anderson, William Arms, Jeroen Bekaert, Donna Bergmark, Les Carr, Tim Cornwell, Lorrie Cranor, James R. Davis, Pavel Dmitriev, Naomi Dushay, Doug Dyer, Dea Eckstrom, Adam Finkelstein, J. French, and Stone.

Middle Screenshot: Shows search results for 'Les Carr'. The search bar contains 'Les Carr' and the results show 'Les Carr' with a link to 'Display Metadata'. Below this, there is a list of names: Christopher Bailey, David Barron, Sean Bechhofer, Donna Bergmark, Tim Brody, Grainne Conole, Hugh Davis, David De Roure, Samhaa El-Beltagy, Quintin Gee, Nicholas Gibbins, Lester Gilbert, Yves Gingras, Hugh Glaser, Carole Goble, Simon Grange, Christopher Gutteridge, Wendy Hall, Stevan Harnad, Stephen Harris, Jessie Hey, G Hill, Steve Hitchcock, Neil Jefferies, Zhuoan, and Timothy.

Right Screenshot: Shows a detailed view of 'Les Carr'. The search bar contains 'Les Carr' and the results show 'Les Carr' with a link to 'Display Metadata'. Below this, there is a list of details: Full Name: Les Carr, Telephone: +44 (0)23 8059 4479, Email Address: lac@ecs.soton.ac.uk, Web Address: http://www.ecs.soton.ac.uk/~lac/, and Raw Linked Data: Resolvable URI, All Known Co-reference Data.

Mark Borkum did this

This is a page that gives a simple demonstration showing papers which have been deemed related through textual analysis by IAI Saarbrücken. Up to the top 20 are listed for each paper, when they meet a simple thresholding:

1 – very strong – 0.9 – strongly – 0.7 – related – 0.6 – ignored – 0

The 1980 paper **Exception Handling and Software-Fault Tolerance** [[browse](#)]

is very strongly related to

- [[browse](#)] 2003 "Automatic detection and masking of non-atomic exception handling" [PDF]
- [[browse](#)] 1989 "Formal Verification of Programs with Exceptions"
- [[browse](#)] 1983 "Programming Reliable and Robust Software in ADA"

is strongly related to

- [[browse](#)] 1998 "Improving software robustness with dependability cases" [PDF]
- [[browse](#)] 1999 "Wrapping windows NT software for robustness" [PDF]
- [[browse](#)] 1981 "Exception Handling and Error Recovery Techniques in Modular Systems - An Application to the Isaure System"
- [[browse](#)] 2003 "Deadlock resolution via exceptions for dependable Java applications" [PDF]
- [[browse](#)] 2002 "Robust software - no more excuses" [PDF]

is related to

- [[browse](#)] 1995 "Fault tolerance in concurrent object-oriented software through coordinated error recovery" [PDF]
- [[browse](#)] 2004 "Implementing simple replication protocols using CORBA portable interceptors and Java serialization" [PDF]
- [[browse](#)] 1984 "Fault Tolerance Using Communicating Sequential Processes"
- [[browse](#)] 2001 "Middleware support for voting and data fusion" [PDF]

Concluding Remarks

- ePrints today, other systems tomorrow
 - Other related technologies (such as OAI-ORE)
 - Are they right for this?
- Please don't stop at the repository
- Go on and get the added value of Linked Data
- ePrints has plans to publish RDF
 - Will the schema (ontology) be expressive enough
- Worry about your co-reference
 - Do you have IDs in your repository?
 - Can you reliably identify all the papers of a single person?

And so ...



dotAC: Exploring the UK Research Landscape

contact@dotac.info

RKBExplorer.com – Try it!

The screenshot displays the RKBExplorer.com website interface. At the top, there is a navigation bar with links for 'people', 'research areas', 'publications', 'projects', and 'search'. The main content area features a large network diagram titled 'Resilience for Survivability in IST'. The diagram shows a central node connected to several other nodes, including 'High-density mammos disc in blue wave...', 'Predictably Dependable Computing Systems', 'NEXT TTA - High-Confidence Architecture ...', 'Assaying Means of Design Expression f...', 'Theory and applications of continuous in...', 'Basic Research on Advanced Distributed C...', 'Network of Excellence in Distributed C...', 'New chromate-free passivation treatments...', 'Malicious- and Accidental-Fault Tolerance', 'Design of an Open Dependable Accompanying Measure System Depen...', 'Dependable Systems of Systems', 'The esprit network of excellence in dist...', 'Time-triggered architecture', and 'Design for validation'. To the right of the diagram is a 'Detail' panel with the following information:

- Title:** Resilience for Survivability in IST
- Other Names:** ReSIST Resilience for Survivability in IST
- Funding:** 4500000
- Project Leader:** Jean-Claude Laprie
- Leading Organisation:** Centre National de la recherche Scientifique

Below the network diagram are four panels: 'People', 'Research Areas', 'Publications', and 'Projects'. The 'People' panel lists Jean-Claude Laprie, Aad van Moorsel, Abdelmajid Khelil, Achour Mostefaou, Adnan Noon Mian, Afraz Jaffri, Agnan de Bonneval, and Alberto Pasquini. The 'Research Areas' panel lists Information processing, information systems, Development Failure, Dependability And Security Analysis, and Dependability And Security Provision. The 'Publications' panel lists Revised version in Predictably dependable computing systems, ASSERT Automated proof based system and software engineering for real-time applications, and Guide de la sûreté de fonctionnement. The 'Projects' panel lists Malicious- and Accidental-Fault Tolerance for Internet Applications, The esprit network of excellence in distributed computing systems architectures, Design for validation, and Network of Excellence in.

At the bottom of the page, there is a footer with links for 'about', 'news', 'system requirements', 'acknowledgements', and 'contact'. A status bar at the very bottom indicates 'Applet eu.resist.rkb.RKBExplorer started'.

<http://eprints.ecs.soton.ac.uk/17732/>