

# RKBExplorer

Jean-Claude Laprie, Hugh Glaser, Ian Millard

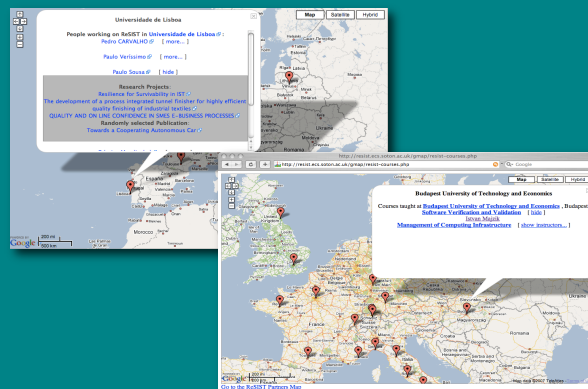
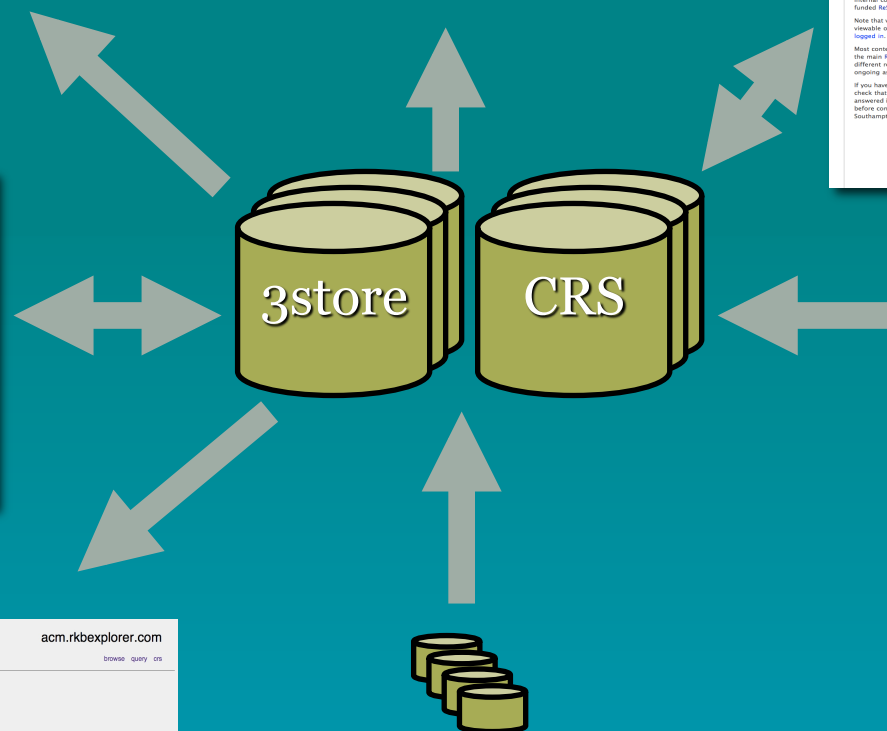


# Overview

- A knowledge-enabled infrastructure to support
  - The ReSIST Project
  - Resilience-Explicit Computing
- A User Interface – the RKBExplorer
- Sources
- Other components
- Discussion



UNIVERSITY OF  
**Southampton**  
School of Electronics  
and Computer Science

[illegible][illegible]






acm.rkbexplorer.com

browse query **ans**

## SPARQL Query Interface

This interface permits queries to be

**Result format:** HTML Table

**Query:**

```

PREFIX rdf: <http://www.w3.org/1999/02/22
PREFIX rdfs: <http://www.w3.org/2000/01/rd
PREFIX owl: <http://www.w3.org/2002/07/ow
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://dbpedia.rkbexplorer.com/resource/39846>

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<http://dbpedia.rkbexplorer.com/resource/CaseCSP135383>

<http://dbpedia.rkbexplorer.com/resource/42814447a6b7d6a11698615760250293030303a>

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Full or information references

[View in Iris](#)

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| Subject          | Property | Object/Value                                                                                                                                                                                                         | Source               |
|------------------|----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| Yannis Kalligros | akt:is   | Yannis Kalligros (Enstec)                                                                                                                                                                                            | acm:periodicals (??) |
| Yannis Kalligros | akt:is   | Yannis Kalligros (Enstec)                                                                                                                                                                                            | acm:periodicals (??) |
| Yannis Kalligros | akt:is   | NASDAQ100 Software Research Lab, 100 Union Drive, Farmville, WV, USA - Dept. of Elec. and Software Comp. Eng., 2000 Main Road, Vancouver V7Y 1C6 BC, Canada, us.ferrocasa.com                                        | acm:periodicals (??) |
| Yannis Kalligros | akt:is   | http://www.rkbexplorer.com/index.php?ID=39846&ID=39846                                                                                                                                                               | acm:periodicals (??) |
| Yannis Kalligros | akt:is   | Act. Knowl. Tech. Cent. for Intel. Sys. and their Apps., Sckh of Information, The Univ. of Edinburgh, UK, macfarland.ac.uk and Escuela Superior de Tecnologia (EHTechnoU) (macfarland), Univ. in de Catalunya, Spain | acm:periodicals (??) |
| Yannis Kalligros | act:is   | act:AKTS&enstec                                                                                                                                                                                                      | act:??               |

Citeseer, CORDIS, DBLP,  
Partners, UN LoCode, ...

## Ontologies, etc,



## ReSIST Resilience for Survivability in IST

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### Detail

#### Name:

ReSIST Resilience for Survivability in IST

#### Linked Data:

[Resolvable URI](#)

### People

[Abdelmajid Khelil](#)

[Achour Mostefaou](#)

[Adnan Noon Mian](#)

[Afriz Jaffri](#)

[Alex Buchmann](#)

[Alexander Romanovsky](#)

### Resilience Mechanisms

[N-Self-Checking Programming/1/1](#)

[Recovery Blocks/1/1](#)

[BFT - Practical Byzantine Fault Tolerance](#)

[Signal-On-Fail based consensus protocol](#)

### Publications

[Empirical analysis and statistical modeling of attack processes based on honeypots](#)

[Evaluation of Unstructured Overlay Maintenance Protocols under Churn.](#)

[On The Accuracy of Event](#)

### Projects

[ReSIST RKB Editorial Board](#)

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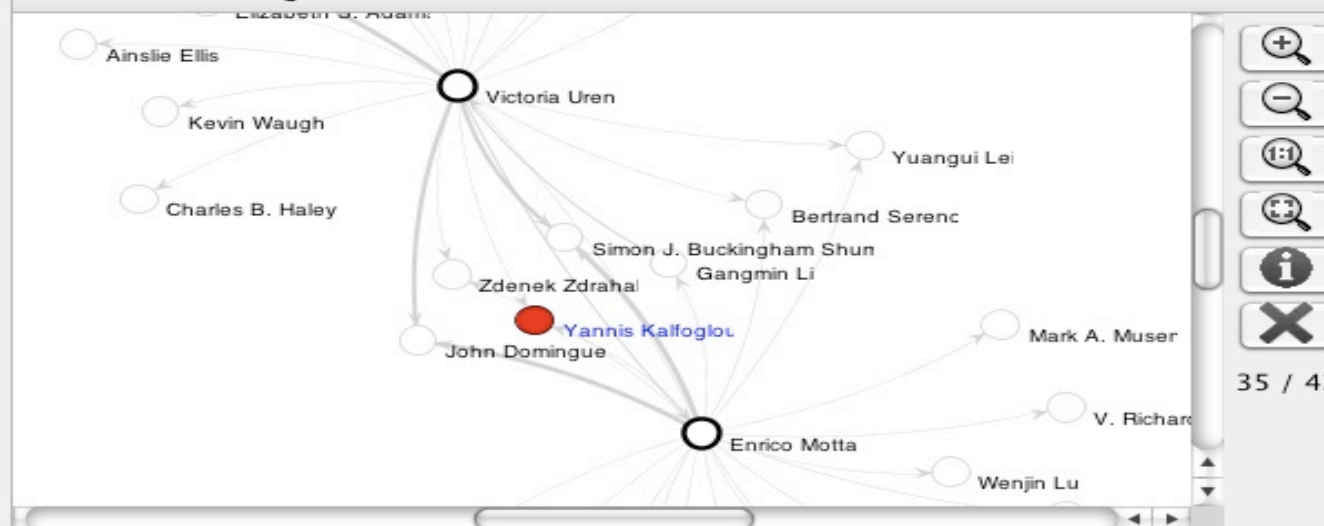
[ReSIST Executive Board](#)

[ReSIST Resilience-Explicit Computing](#)



### Dr Yannis Kalfoglou

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#### Other searches:

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[Nigel Shadbolt](#)

[Dave Robertson](#)

[Bo Hu](#)

[Kieron O'Hara](#)

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### Resilience Mechanisms

No results found

### Publications

[The Application of Advanced Knowledge Technologies for Emergency Response](#)

[Semantic Metrics.](#)

[Issues with Evaluating and Using Publicly Available Ontologies](#)

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# Some Underlying Sources

**acm.rkbexplorer.com**

budapest.rkbexplorer.com

citeseer.rkbexplorer.com

**cordis.rkbexplorer.com**

**courseware.rkbexplorer.com**

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

**RESILIENCE FOR SURVIVABILITY IN IST  
KNOWLEDGE BASE**[Wiki](#)[RKB Browser](#)[Query RKB](#)[Course Metadata](#)

## ReSIST / Welcome

Welcome to the ReSIST Wiki, which is the internal communication mechanism for the EU funded [ReSIST "Network of Excellence"](#).

Note that virtually all pages are private, and viewable only to ReSIST members who have [logged in](#).

Most content can be found by firstly browsing the main [ReSIST page](#), which details the different research areas in which activities are ongoing as part of the project.

If you have any questions or problems, please check that they have not previously been answered in the [frequently asked questions](#), before contacting [Ian Millard](#) or [Hugh Glaser](#) at Southampton.

### Quick Links

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ReSIST :: Courses

http://resist.ecs.soton.ac.uk/courseware/edit/04dc6312

Google

**RESILIENCE FOR SURVIVABILITY IN IST  
KNOWLEDGE BASE**

WikiRKB BrowserQuery RKBCourse Metadata

**ReSIST / Courses / Editing 'Advanced seminars on Distributed Systems'**

**Step 1 of 4:** Information regarding the organisation of the course  
(For questions, problems or feedback filling out this form, please [email us](#).)

**Name of the course**

Advanced seminars on Distributed Systems

**Taught at**  
(CTRL+Click to select multiple values)

Universita degli studi di Roma, La Sapienza

Universitat ULM

Universite De Toulouse 1

Universite de Rennes 1

University of Naples

University of Toulouse III

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**Currently being taught**

<Select Currently being taught>

**Description**

The course focuses on recent advances on distributed systems. A set of topic is selected and studied through the help of original papers and, practically, most known distributed system platforms are selected and analyzed.

**Language(s) of the course**  
(CTRL+Click to select multiple values)

English

Esperanto

Estonian

Finnish

French

Gaelic

**Select Author(s)**  
(CTRL+Click to select multiple values)

Roberto Baldoni

Roberto Beraldi

Roberto Bonato

Robin Bloomfield

Ruta Marcinkeviciene

Sadie Creese

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http://resist.ecs.soton.ac.uk/gmap/resist-courses.php

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# More Semantic Web/Linked Data issues

- The system supports state of the art facilities:
  - Browsing
  - Resolvable URIs
  - SPARQL endpoint
  - CRS (Coreferent knowledge)
  - RDF publishing
  - Semantic Sitemap
  - On a separate domain

# Supporting resilience

- People, Publication, Projects, Research Areas
- Resilience-related topics
- Resilience-Explicit Computing
- Educational Resources
  
- In the future
  - Automating discovery of issues and solutions
    - Design time
    - Run time

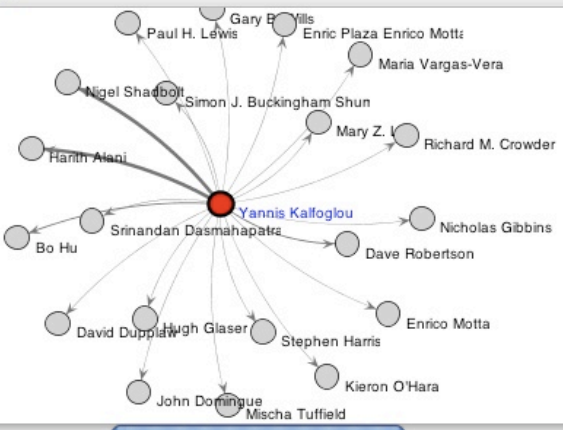
# RKBExplorer.com/explorer/ – Try it!

 [www.rkbexplorer.com/explorer/](http://www.rkbexplorer.com/explorer/)

people mechanisms publications projects search recently viewed reset help

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**Dr Yannis Kalfoglou** [Maximize](#)



21 / 20

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