

The Genetic Programming Bibliography

<http://www.cs.bham.ac.uk/~wbl/biblio/>

9611 references and 9262 online publications

RSS Support available through the
Collection of CS Bibliographies. 



Part of gp-bibliography 04-40 Revision: 1.794 29 May 2011



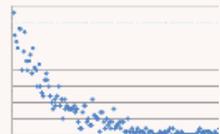
A web form for adding your entries.
Co-authorship community. Downloads

Downloads



A personalised list of every author's
GP publications.

[blog.html](#)



Search the GP Bibliography at

<http://iinwww.ira.uka.de/bibliography/Ai/genetic.programming.html>

URL

My blog

Link to collection of computer science bibliographies

BibTeX

List of authors

Link to Sitemeter

The Genetic Programming Bibliography

File Edit View History Bookmarks Tools Help

www.cs.bham.ac.uk/~wbl/biblio/

The Genetic Programming Biblio...

[News](#) | [Search It](#) | [Most recent](#) | [Top 10 Cited](#) | [Most Downloaded](#) | [Add to It](#)

The bibliography is part of the [Collection of Computer Science Bibliographies](#). It is maintained and managed by [William Langdon](#).

[W. B. Langdon and S. M. Gustafson. Genetic programming and evolvable machines: ten years of reviews.](#) Genetic Programming and Evolvable Machines, 11(3/4):321–338, September 2010.

Bibtex file
[gp-bibliography.bib \(Compressed\)](#) Over 9000 GP references.

Other formats
[refer format \(Compressed\)](#)
[text file \(Compressed\)](#)

[Author format \(split by first author\)](#)

[co authorship graphs\(text\)](#)

Search Interfaces
 The GP bibliography is one of the many online computer science bibliographies. There are several on line search tools for these bibliographies. For example:
 o [WWW form](#) based search
 o The [coauthor graphs](#) can also be used for searching by author name.
 o You can find all entries for an author using a URL like this one: <http://www.cs.bham.ac.uk/~wbl/biblio/gp-html/WilliamBLangdon.html> Naturally you must replace **WilliamBLangdon.html** by the author's name.

Other Resources
 o [Bibliographies of evolutionary computation conferences.](#)
 o [Hints](#) on using bibliographies with PC based word processing packages
 o [Links](#) to other information on bibliographies.
 o [Subdirectory](#) containing some [tools](#) and [templates](#) for maintaining bibliographies.
 o [Links](#) to other bibliographies.
 o [Home pages](#) of some GP researchers ...

39,577

[papers](#) [authors](#) [users](#)

Downloads

GENETIC PROGRAMMING ALGORITHMS

x Find: combinato Previous Next Highlight all Match case

New and modified

List of papers or email me

Active co-authors pages

Help text

Downloads

Genetic Programming Bibliography index page - Mozilla Firefox

File Edit View History Bookmarks Tools Help

www.cs.bham.ac.uk/~wbl/biblio/gp-html/index.html

Genetic Programming Bibliography index page

63. [16 \(30\)](#) Arthur K Kordon
64. [15 \(15\)](#) Candida Ferreira
65. [14 \(37\)](#) Andy Song
66. [14 \(17\)](#) Andreas Geyer-Schulz
67. [22 \(26\)](#) Athanasios D Tsakonas
68. [22 \(35\)](#) Alexandros Agapitos
69. [15 \(15\)](#) Simon G Handley
70. [19 \(28\)](#) Thomas Weise
71. [22 \(25\)](#) Garnett Carl Wilson
72. [9 \(37\)](#) Alex Alves Freitas
73. [3 \(77\)](#) Martin A Keane
74. [22 \(23\)](#) Huayang Jason Xie
75. [2 \(59\)](#) Mark Johnston
76. [15 \(43\)](#) Erik Hemberg
77. [12 \(29\)](#) Jurgen Schmidhuber
78. [8 \(54\)](#) Marco Tomassini
79. [17 \(18\)](#) James Cunha Werner
80. [18 \(33\)](#) Leonardo Trujillo
81. [12 \(36\)](#) Steven M Gustafson
82. [18 \(23\)](#) Daniel Ashlock
83. [15 \(21\)](#) Aniko Ekart
84. [19 \(19\)](#) Ronan Cummins
85. [18 \(24\)](#) Alberto Moraglio
86. [15 \(26\)](#) Katya Rodriguez-Vazquez
87. [6 \(41\)](#) James A Foster
88. [13 \(34\)](#) **Anna** Esparcia-Alcazar
89. [12 \(35\)](#) James McDermott
90. [15 \(21\)](#) Will Smart
91. [16 \(21\)](#) Nikolay Nikolaev
92. [15 \(22\)](#) Larry M Deschain
93. [11 \(29\)](#) R Muhammad Atif Azad
94. [13 \(16\)](#) Cezary Z Janikow
95. [12 \(30\)](#) Ajith Abraham
96. [15 \(23\)](#) Amelia Zafra Gomez
97. [12 \(13\)](#) Bruce Edmonds
98. [7 \(36\)](#) Edward P K Tsang
99. [19 \(22\)](#) Gianluigi Folino
100. [17 \(20\)](#) Michael A Lones
101. [14 \(30\)](#) Stephan M Winkler
102. [3 \(44\)](#) Kwong-Sak Leung
103. [9 \(33\)](#) Mark Harman
104. [16 \(24\)](#) James Alfred Walker
105. [2 \(51\)](#) Sebastian Ventura
106. [4 \(31\)](#) Hod Lipson
107. [11 \(18\)](#) Abdulkadir Cevik
108. [15 \(30\)](#) Edgar Galvan Lopez
109. [10 \(15\)](#) Christian Jacob
110. [10 \(18\)](#) Robert Feldt
111. [15 \(16\)](#) Jeroen Eggermont
112. [6 \(23\)](#) Colin G Johnson
113. [15 \(28\)](#) Jianjun Hu

Find: Previous Next Highlight all Match case

GP entries as first author

GP entries (total)

Firefox provides text search

Link to papers

Genetic Programming Bibliography entries for Anna Esparcia-Alcazar - Mozilla Firefox

File Edit View History Bookmarks Tools Help

www.cs.bham.ac.uk/~wbl/biblio/gp-html/AnnaEsparcia-Alcazar.htmr

Genetic Programming Bibliograp...

Genetic Programming Conference proceedings edited by Anna Esparcia-Alcazar

1. [Anna Isabel Esparcia-Alcazar](#) and [Aniko Ekart](#) and [Sara Silva](#) and Stephen Dignum and [A. Sima Uyar](#) editors, **Proceedings of the 13th European Conference on Genetic Programming, EuroGP** [doi>](#)
2010. Volume 6021 of LNCS, Istanbul, Springer, 2010. [details](#)
2. [Anna I. Esparcia](#) and Ying-ping Chen and [Gabriela Ochoa](#) and [Ender Ozcan](#) and [Marc Schoenauer](#) and [Anne Auger](#) and [Hans-Georg Beyer](#) and [Nikolaus Hansen](#) and [Steffen Finck](#) and Raymond Ros and [Darrell Whitley](#) and [Garnett Wilson](#) and [Simon Harding](#) and [W. B. Langdon](#) and [Man Leung Wong](#) and Laurence D. Merkle and [Frank W. Moore](#) and Sevan G. Ficici and [William Rand](#) and [Rick Riolo](#) and [Nawwaf Kharma](#) and William R. Buckley and [Julian Miller](#) and [Kenneth Stanley](#) and [Jaume Bacardit](#) and [Will Browne](#) and [Jan Drugowitsch](#) and [Nicola Beume](#) and [Mike Preuss](#) and [Stephen L. Smith](#) and [Stefano Cagnoni](#) and Jim DeLeo and [Alexandru Floares](#) and Aaron Baughman and [Steven Gustafson](#) and Maarten Keijzer and Arthur Kordon and [Clare Bates Congdon](#) and Laurence D. Merkle and [Frank W. Moore](#) editors, **GECCO '09: Proceedings of the 11th annual conference companion on Genetic and evolutionary computation conference**. Montreal, Qu'ebec, Canada, ACM, 2009.
[details](#) link
3. [Michael O'Neill](#) and [Leonardo Vanneschi](#) and [Steven Gustafson](#) and [Anna Isabel Esparcia Alcazar](#) and [Ivanoe De Falco](#) and [Antonio Della Cioppa](#) and [Ernesto Tarantino](#) editors, **Proceedings of the 11th European Conference on Genetic Programming, EuroGP 2008**. Volume 4971 of Lecture Notes [doi>](#)
in Computer Science, Naples, Springer, 2008. [details](#)
4. [Marc Ebner](#) and [Michael O'Neill](#) and [Anik'vo Ek'art](#) and [Leonardo Vanneschi](#) and [Anna Isabel Esparcia-Alcazar](#) editors, **Proceedings of the 10th European Conference on Genetic Programming**. Volume 4445 of Lecture Notes in Computer Science, Valencia, Spain, Springer, 2007.
[details](#) link [doi>](#)

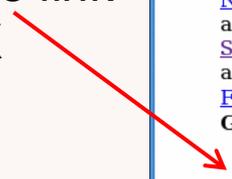
Genetic Programming conference papers by Anna Esparcia-Alcazar

1. [Antonio Mora](#) and [Juan Julian Merelo](#) and Ramon Montoya and [Pablo Garcia](#) and [Pedro Castillo](#) and [Juan Luis Jimenez](#) and [Anna Esparcia](#) and Ana Martinez. **Evolving Bot's AI in Unreal**. In [Cecilia Di Chio](#) and [Stefano Cagnoni](#) and [Carlos Cotta](#) and [Marc Ebner](#) and [Aniko Ekart](#) and [Anna I. Esparcia-Alcazar](#) and Chi-Keong Goh and [Juan J. Merelo](#) and Ferrante Neri and [Mike Preuss](#) and [Julian Togelius](#) and [Georgios N. Yannakakis](#) editors, **EvoGAMES**, volume 6024, pages 171-180, Istanbul, 2010. Springer [details](#) [doi>](#)

www.cs.bham.ac.uk/~wbl/biblio/gp-html/Esparcia-Alcazar_2009_gecco.html

Find: anna Previous Next Highlight all Match case

“Details” is link to BibTeX



Location of page given by BibTeX key

GECCO '09: Proceedings of the 11th annual conference companion on Genetic and evolutionary computation conference

Created by [W.Langdon](#) from [gp-bibliography.bib](#) Revision:1.2601

```
@Proceedings{Esparcia-Alcazar:2009:gecco,
  title =
    "{GECCO} '09: Proceedings of the 11th annual conference
    companion on Genetic and evolutionary computation
    conference",
  year =
    "2009",
  editor =
    "Anna I. Esparcia and Ying-ping Chen and
    Gabriela Ochoa and Ender Ozcan and Marc Schoenauer and Anne Auger and
    Hans-Georg Beyer and Nikolaus Hansen and
    Steffen Finck and Raymond Ros and Darrell Whitley and
    Garnett Wilson and Simon Harding and W. B. Langdon and
    Man Leung Wong and Laurence D. Merkle and Frank W. Moore and
    Sevan G. Ficici and William Rand and Rick Riolo and
    Nawwaf Kharma and William R. Buckley and Julian Miller and
    Kenneth Stanley and Jaume Bacardit and Will Browne and
    Jan Drugowitsch and Nicola Beume and Mike Preuss and
    Stephen L. Smith and Stefano Cagnoni and Jim DeLeo and
    Alexandru Floares and Aaron Baughman and
    Steven Gustafson and Maarten Keijzer and Arthur Kordon and
    Clare Bates Congdon and Laurence D. Merkle and
    Frank W. Moore",
  month =
    "8-12 " # jul,
  address =
    "Montreal, Qu\{e}bec, Canada",
  publisher =
    "ACM",
  publisher_address =
    "New York, NY, USA",
  organisation =
    "SigEVO",
  keywords =
    "genetic algorithms, genetic programming",
  isbn13 =
    "978-1-60558-505-5",

  link
  URL =
    "http://dl.acm.org/citation.cfm?id=1570256&picked=prox&FID=401616080&FTOKEN=58741794",
  notes =
    "GECCO 2009 workshops",
}
```

Link to editor's home page

URL/DOI of paper

Genetic Programming entries for [Anna Esparcia-Alcazar](#) [Ying-ping Chen](#) [Gabriela Ochoa](#) [Ender Ozcan](#) [Marc Schoenauer](#) [Anne Auger](#) [Hans-Georg Beyer](#) [Nikolaus Hansen](#) [Steffen Finck](#) [Raymond Ros](#) [L Darrell Whitley](#) [Garnett Carl Wilson](#) [Simon Harding](#) [William B Langdon](#) [Man Leung Wong](#) [Laurence D Merkle](#) [Frank William Moore](#) [Sevan G Ficici](#) [William Michael Rand](#) [Rick L Riolo](#) [Nawwaf Kharma](#) [William R Buckley](#) [Julian F Miller](#) [Kenneth O Stanley](#) [Jaume Bacardit](#) [Will N Browne](#) [Jan Drugowitsch](#) [Nicola Beume](#) [Mike Preuss](#) [Stephen L Smith](#) [Stefano Cagnoni](#) [Jim DeLeo](#) [Alexandru Floares](#) [Aaron Baughman](#) [Steven M Gustafson](#) [Maarten Keijzer](#) [Arthur K Kordon](#) [Clare Bates Congdon](#) [Laurence D Merkle](#) [Frank William Moore](#)

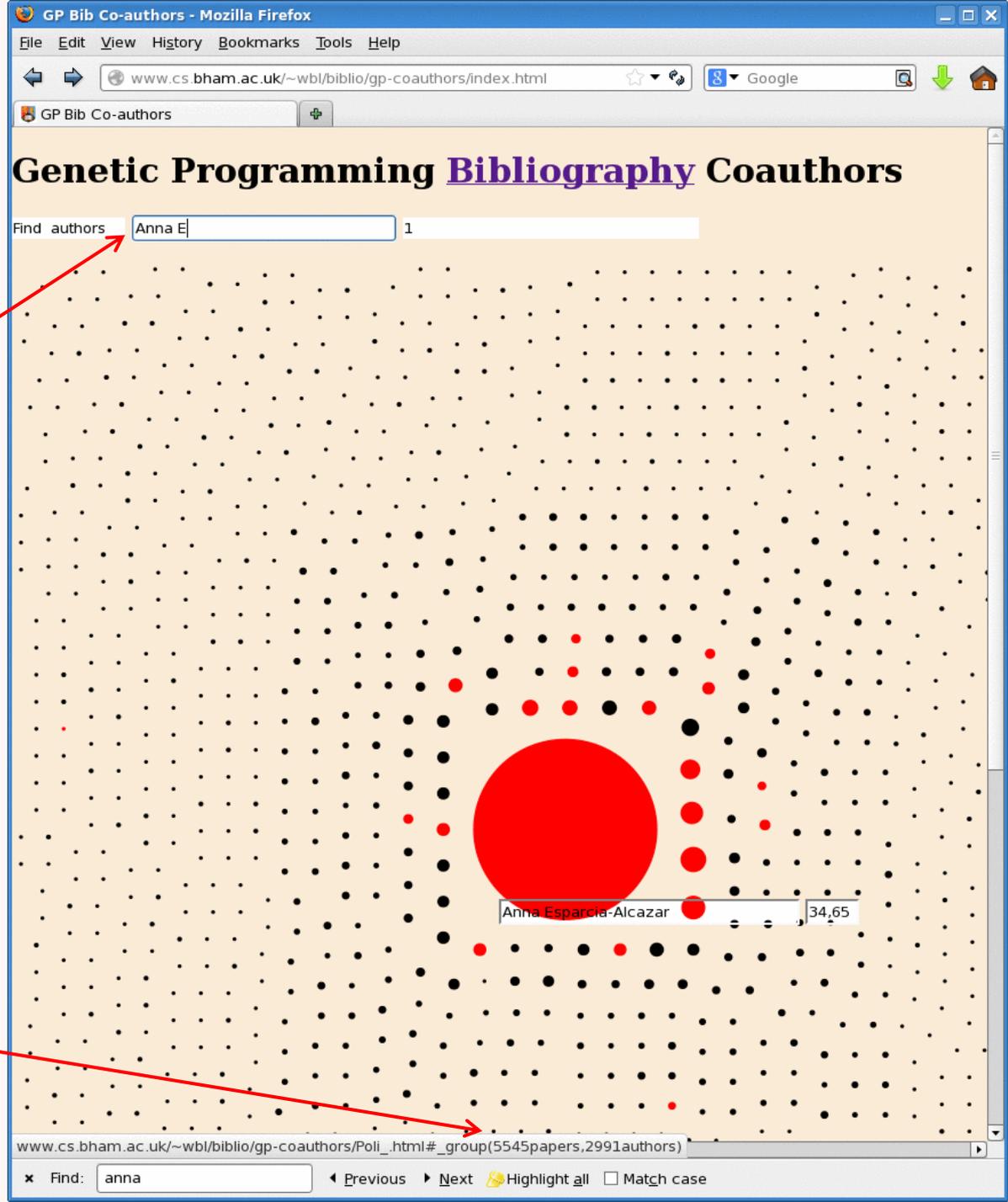
<https://sites.google.com/site/aiesparcia/>

Click icon to load page



Author search window

Curzor tooltip gives statistics of next level



GP Bib Co-authors - Mozilla Firefox

File Edit View History Bookmarks Tools Help

www.cs.bham.ac.uk/~wbl/biblio/gp-coauthors/index.html

GP Bib Co-authors

Genetic Programming Bibliography Coauthors

Find authors 1

Anna Espartero-Alcazar 34,65

www.cs.bham.ac.uk/~wbl/biblio/gp-coauthors/Poli_..._html#_group(5545papers,2991authors)

Find: Previous Next Highlight all Match case

GP Bib Co-authors linked to Poli - Mozilla Firefox

File Edit View History Bookmarks Tools Help

www.cs.bham.ac.uk/~wbl/biblio/gp-coauthors/Poli_html#_group(5545pa) Google

GP Bib Co-authors linked to Poli

Genetic Programming Bibliography 2991 Coauthor

Find authors 1

Part of gp-bibliography: 33-42 2991. Revision: 1.2469 20 Apr 2014

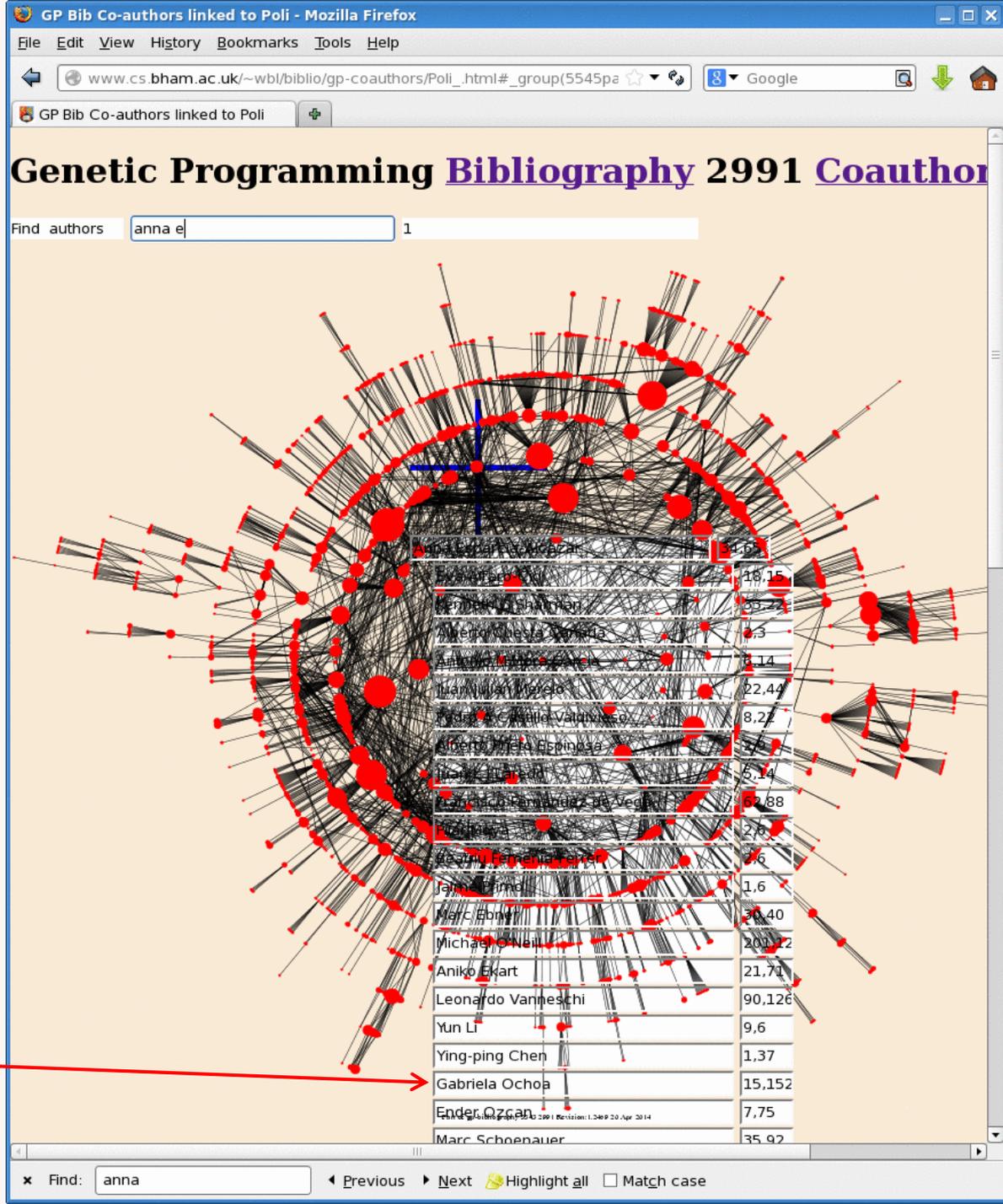
www.cs.bham.ac.uk/~wbl/biblio/gp-html/AnnaEspancia-Alcazar.html

x Find: < Previous > Next Highlight all Match case

Crosshairs highlight search results

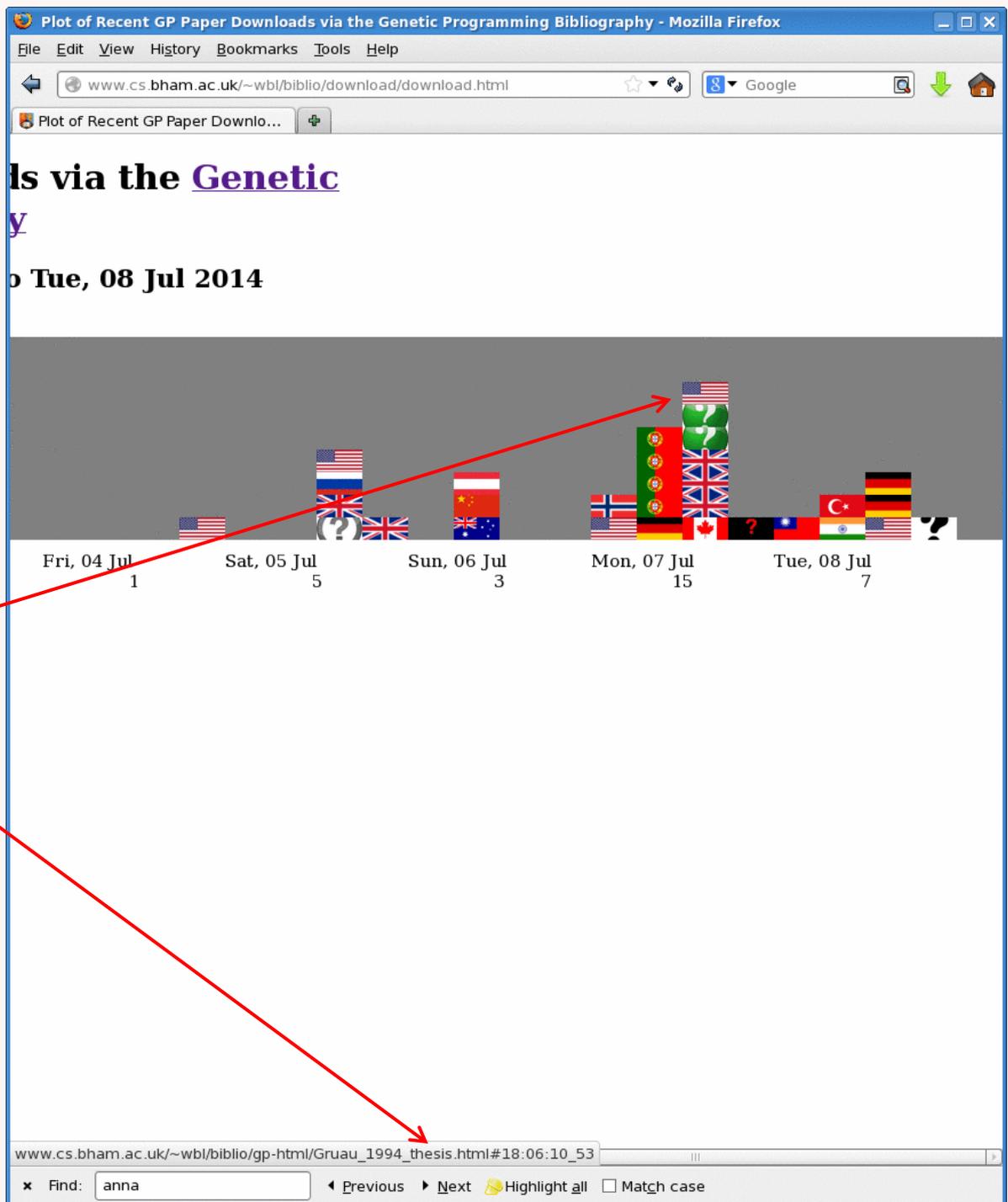
URL of active link into main bibliography pages

Black lines link
coauthors (red dots)



Use cursor to get
coauthor names
(recursively)

Click flags of all nations



Flag per down load

Active link

Neural Network Synthesis using Cellular Encoding and the Genetic Algorithm. - Mozilla Firefox

File Edit View History Bookmarks Tools Help

www.cs.bham.ac.uk/~wbl/biblio/gp-html/Gruau_1994_thesis.html#18:06 Google

Neural Network Synthesis using ...

Neural Network Synthesis using Cellular Encoding and the Genetic Algorithm.

Created by [W.Langdon](#) from [gp-bibliography.bib](#) Revision:1.2601

```
@PhdThesis{Gruau:1994:thesis,
author = "F. Gruau",
title = "Neural Network Synthesis using Cellular Encoding and
the Genetic Algorithm.",
school = "Laboratoire de l'Informatique du Parallilisme, Ecole
Normale Supirieuse de Lyon",
year = "1994",
address = "France",
keywords = "genetic algorithms, genetic programming",

URL =  ftp://ftp.ens-lyon.fr/pub/LIP/Rapports/PhD/PhD1994/PhD1994-01-E.ps.Z",

URL =  " ftp://ftp.ens-lyon.fr/pub/LIP/Rapports/PhD/PhD1994/PhD1994-01-F.ps.Z",
size = "151 pages",
abstract = "Artificial neural networks used to be considered only
as a machine that learns using small modifications of
internal parameters. Now this is changing. Such
learning method do not allow to generate big neural
networks for solving real world problems. This thesis
defends the following three points:

(1) The key word to go out of that dead-end is
{'}modularity{'}. (2) The tool that can generate
modular neural networks is cellular encoding. (3) The
optimization algorithm adapted to the search of
cellular codes is the genetic algorithm.

The first point is now a common idea. A modular neural
network means a neural network that is made of several
sub-networks, arranged in a hierarchical way. For
example, the same sub-network can be repeated. This
thesis encompasses two parts.

The first part demonstrates the second point. Cellular
encoding is presented as a machine language for neural
networks, with a theoretical basis (it is a parallel
graph grammar that checks a number of properties) and a
compiler of high level language. The second part of the
thesis shows the third point. Application of genetic
algorithm to the synthesis of neural networks using
cellular encoding is a new technology. This technology
can solve problems that were still unsolved with neural
networks. It can automatically and dynamically
decompose a problem into a hierarchy of sub-problems,
and generate a neural network solution to the problem.
The structure of this network is a hierarchy of
sub-networks that reflects the structure of the
```

www.cs.bham.ac.uk/~wbl/biblio/cache/bin/cache.php?Gruau:199...on.fr/pub/LIP/Rapports/PhD/PhD1994/PhD1994-01-E.ps.Z?19,29

x Find: < Previous > Next Highlight all <input type="checkbox"/> Match case

Press to
download

