



**Submission Data for 2020-2021 CORE conference Ranking process  
Genetic and Evolutionary Computations**

Carlos A. Coello Coello

**Conference Details**

**Conference**

Title: Genetic and Evolutionary Computations  
Acronym : GECCO  
Rank: A

**Requested Rank**

Rank: A

**Recent Years**

**Proceedings Publishing Style**

Proceedings Publishing: self-contained  
Link to most recent proceedings: <https://dl.acm.org/conference/gecco/proceedings>  
Further details: The proceedings are published in the ACM Digital Library.

**Most Recent Years**

**Most Recent Year**

Year: 2020  
URL: <https://dl.acm.org/doi/proceedings/10.1145/3377930>  
Location: Cancun, Mexico  
Papers submitted: 415  
Papers published: 149  
Acceptance rate: 36  
Source for numbers: <https://dl.acm.org/action/showFmPdf?doi=10.1145%2F3377930>

**General Chairs**

Name: Carlos Coello Coello Affiliation: CINVESTAV-IPN, Mexico Gender: M H Index: 92 GScholar url: <a href="https://scholar.google.com/citations?user=oJMnjNYAAAAJ">https://scholar.google.com/citations?user=oJMnjNYAAAAJ</a> DBLP url: <a href="https://dblp.uni-trier.de/pid/43/7183.html">https://dblp.uni-trier.de/pid/43/7183.html</a>
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**Program Chairs**

Name: Jose Antonio Lozano Affiliation: University of the Basque Country, Spain Gender: M H Index: 48 GScholar url: <a href="https://scholar.google.com/citations?user=lhzoWpwAAAAJ">https://scholar.google.com/citations?user=lhzoWpwAAAAJ</a> DBLP url: <a href="https://dblp.org/pid/1/JoseAntonioLozano.html">https://dblp.org/pid/1/JoseAntonioLozano.html</a>
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**Second Most Recent Year**

Year: 2019

URL: <https://dl.acm.org/doi/proceedings/10.1145/3321707>

Location: Prague, Czech Republic

Papers submitted: 501

Papers published: 173

Acceptance rate: 35

Source for numbers: <https://dl.acm.org/action/showFmPdf?doi=10.1145%2F3321707>

### General Chairs

Name: Anne Auger Affiliation: Inria Saclay Gender: F H Index: 39 G Scholar url: <a href="https://scholar.google.com/citations?user=z04BQjgAAAAJ&amp;hl=en">https://scholar.google.com/citations?user=z04BQjgAAAAJ&amp;hl=en</a> DBLP url: <a href="https://dblp.org/pid/48/4302.html">https://dblp.org/pid/48/4302.html</a>
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Name: Thomas StÄijtzle Affiliation: UniversitÄ Libre de Bruxelles Gender: M H Index: 74 G Scholar url: <a href="https://scholar.google.com/citations?user=0rODXkAAAAAJ&amp;hl=en">https://scholar.google.com/citations?user=0rODXkAAAAAJ&amp;hl=en</a> DBLP url: <a href="https://dblp.org/pid/61/6836.html">https://dblp.org/pid/61/6836.html</a>
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### Program Chairs

Name: Manuel LÄpez-lbÄqÄsez Affiliation: University of Manchester, UK Gender: M H Index: 32 G Scholar url: <a href="https://scholar.google.com/citations?user=q_47tpEAAAAJ">https://scholar.google.com/citations?user=q_47tpEAAAAJ</a> DBLP url: <a href="https://dblp.org/pid/09/132.html">https://dblp.org/pid/09/132.html</a>
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### Third Most Recent Year

Year: 2018

URL: <https://dl.acm.org/doi/proceedings/10.1145/3205455>

Location: Kyoto, Japan

Papers submitted: 514

Papers published: 195

Acceptance rate: 38

Source for numbers: <https://dl.acm.org/action/showFmPdf?doi=10.1145%2F3205455>

### General Chairs

Name: Keiki Takadama Affiliation: University of Electro-Communications, Japan Gender: M H Index: NA G Scholar url: DBLP url: <a href="https://dblp.org/pid/72/4302.html">https://dblp.org/pid/72/4302.html</a>
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### Program Chairs

Name: Hernan Aguirre Affiliation: Shinshu University, Japan Gender: M H Index: 23 G Scholar url: <a href="https://scholar.google.com/citations?user=_acwcxUAAAAJ">https://scholar.google.com/citations?user=_acwcxUAAAAJ</a> DBLP url: <a href="https://dblp.org/pid/32/2377.html">https://dblp.org/pid/32/2377.html</a>
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### Policies

Chair Selection: The General Chair of GECCO is decided by the members of the Executive Committee of the ACM Special Interest Group in Evolutionary Computation (SIGEVO). The Chair of ACM SIGEVO proposes one or more candidates based on several factors which include the location of the conference (which alternates between Europe and the Americas), and the academic background and international visibility of the candidates. The final choice is decided by the direct vote of the officers of ACM SIGEVO.

The Editor-in-Chief (who is responsible for supervising the review process of the conference) is proposed by the General Chair to the ACM SIGEVO Executive Committee for its approval. The Editor-in-Chief must have a strong academic background and must have published full papers at previous editions of GECCO. Normally, candidates for this position are members of the Editorial Board of any of

the major evolutionary computation journals (i.e., Evolutionary Computation, IEEE Transactions on Evolutionary Computation, Genetic Programming and Evolvable Machines).

GECCO is currently organized in 13 Tracks and each of them has 2 Chairs who are responsible for selecting reviewers and handling the review process of the papers submitted to their Track. So, Track Chairs are Senior PC Members who act as Associate Editors during the review process. Track Chairs are selected by both the Editor-in-Chief and the General Chair and all of them need the approval of the ACM SIGEVO Executive Committee. Track Chairs are selected based on their academic background in the specific Track that they will chair and are required to have some experience as PC members (e.g., at GECCO or other related conferences such as EvoStar or PPSN). Most of them had already organized smaller conferences (e.g., EvoStar) and are members of the editorial board of major evolutionary computation journals. Track Chairs are meant to occupy this position for two years, but they are appointed at different years, such that one is always new and the other had the position the previous year and is more experienced. Reviewers are selected by the Track Chairs upon the approval of the Editor-in-Chief. All reviewers are required to had published at previous editions of GECCO. Reviewers are not automatically transferred from one edition of the conference to the next, since each pair of Track Chairs analyzes the performance of the reviewers of their track at the previous edition of the conference. Timing is not the only issue, but they also look at the quality of the reviews. This is indeed one of the key elements for the high quality review process of GECCO.  
No Policies.

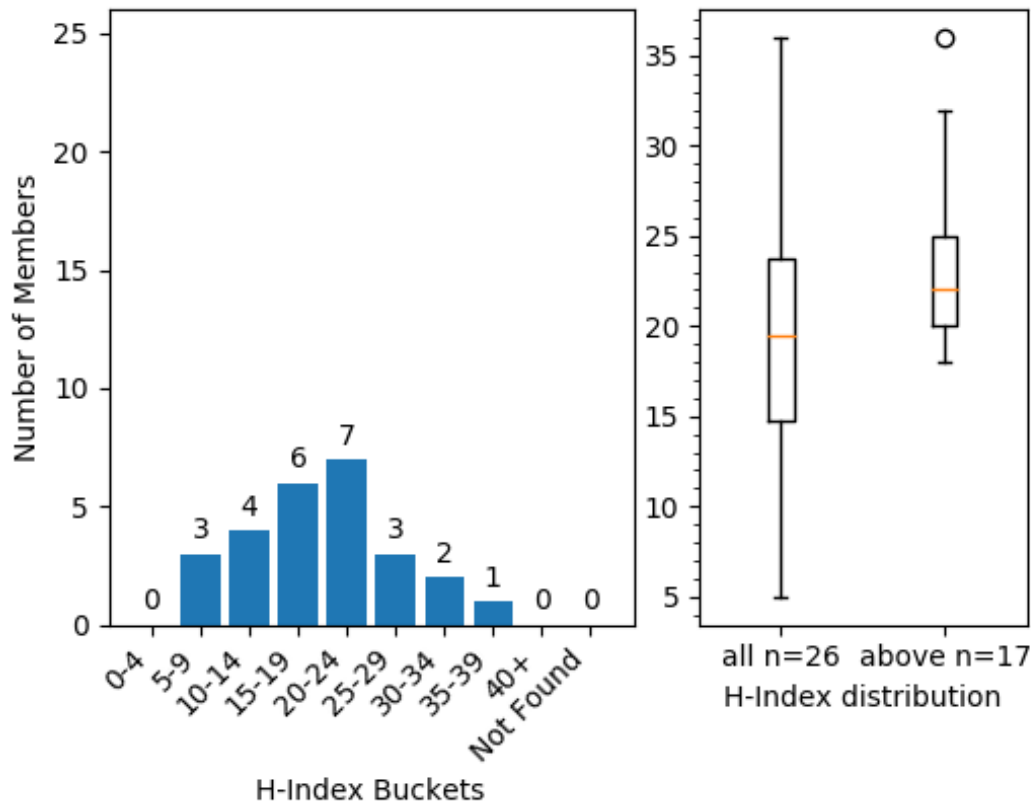
**(Senior) Program Committee**

Link to (s)pc: <https://gecco-2020.sigevo.org/index.html/Program+Tracks>

File: [http://portal.core.edu.au/core/media/conf\\_submissions\\_spc\\_file/gecco\\_spc\\_SVqdDGB.txt](http://portal.core.edu.au/core/media/conf_submissions_spc_file/gecco_spc_SVqdDGB.txt)

H-index plot: [http://portal.core.edu.au/core/media/conf\\_submissions\\_hindex\\_plots/hindex\\_buckets\\_1384.png](http://portal.core.edu.au/core/media/conf_submissions_hindex_plots/hindex_buckets_1384.png)

Information Contained within this graph is derived using the Elsevier Scopus Database 2021.



**Data and Metrics**

**Google Scholar Metrics**

Sub-category url: [https://scholar.google.com.au/citations?view\\_op=top\\_venues&hl=en&vq=eng\\_evolutionarycomputation](https://scholar.google.com.au/citations?view_op=top_venues&hl=en&vq=eng_evolutionarycomputation)

Position in sub-category: 5

Image of top 20: [http://portal.core.edu.au/core/media/changes\\_h5/higherrank1384\\_gscolar\\_minh5.png](http://portal.core.edu.au/core/media/changes_h5/higherrank1384_gscolar_minh5.png)

	Publication	h5-index	h5-median
1.	Applied Soft Computing	<u>96</u>	123
2.	IEEE Congress on Evolutionary Computation	<u>70</u>	109
3.	Soft Computing	<u>60</u>	86
4.	Swarm and Evolutionary Computation	<u>49</u>	70
5.	Conference on Genetic and Evolutionary Computation	<u>38</u>	56
6.	Evolutionary Computation	<u>27</u>	40
7.	IEEE Symposium Series on Computational Intelligence	<u>24</u>	35
8.	Memetic Computing	<u>21</u>	30
9.	International Journal of Bio-Inspired Computation	<u>20</u>	39
10.	Natural Computing	<u>20</u>	22
11.	International Conference on Natural Computation	<u>19</u>	25
12.	Artificial Life	<u>17</u>	23
13.	Evolutionary Multi-Criterion Optimization	<u>17</u>	23
14.	International Conference on Advances in Swarm Intelligence	<u>17</u>	21
15.	Genetic Programming and Evolvable Machines	<u>16</u>	25
16.	International Conference on Applications of Evolutionary Computation	<u>16</u>	23
17.	International Conference on Parallel Problem Solving from Nature	<u>16</u>	20
18.	International Conference on Search based Software Engineering	<u>15</u>	20
19.	International Journal of Computing Science and Mathematics	<u>14</u>	19
20.	Brazilian Conference on Intelligent Systems	<u>12</u>	14

h5-index for this conference: 38

### ACM Metrics

Is an ACM sponsored conference: True

Providing ACM Stats: True

### ACM Statistics

Downloads in last 12 months: 171312

Average citations per article: 6

Average downloads per article: 160

### ACM Most frequently publishing

Name: Mengjie Zhang Paper Count: 54 Google Scholar h-index: 48 Gscholar url: <a href="https://scholar.google.co.nz/citations?hl=en&amp;user=hLvGrrkAAAAJ">https://scholar.google.co.nz/citations?hl=en&amp;user=hLvGrrkAAAAJ</a>
Name: Benjamin Doerr Paper Count: 41 Google Scholar h-index: 39 Gscholar url: <a href="https://scholar.google.co.nz/citations?hl=en&amp;user=aXWFB2UdJUUC">https://scholar.google.co.nz/citations?hl=en&amp;user=aXWFB2UdJUUC</a>
Name: Bing Xue Paper Count: 36 Google Scholar h-index: 32 Gscholar url: <a href="https://scholar.google.co.nz/citations?hl=en&amp;user=RILgdb4AAAAJ">https://scholar.google.co.nz/citations?hl=en&amp;user=RILgdb4AAAAJ</a>
Name: Carola Doerr Paper Count: 34 Google Scholar h-index: 24 Gscholar url: <a href="https://scholar.google.co.nz/citations?hl=en&amp;user=CU-V1sEAAAAJ">https://scholar.google.co.nz/citations?hl=en&amp;user=CU-V1sEAAAAJ</a>
Name: Kalyanmoy Deb Paper Count: 33 Google Scholar h-index: 124 Gscholar url: <a href="https://scholar.google.co.nz/citations?hl=en&amp;user=paTAXiIAAAAAJ">https://scholar.google.co.nz/citations?hl=en&amp;user=paTAXiIAAAAAJ</a>
Name: Thomas BÄdck Paper Count: 28 Google Scholar h-index: 61 Gscholar url: <a href="https://scholar.google.co.nz/citations?hl=en&amp;user=x7LEID0AAAAJ">https://scholar.google.co.nz/citations?hl=en&amp;user=x7LEID0AAAAJ</a>
Name: Maxim Buzdalov Paper Count: 28 Google Scholar h-index: 13 Gscholar url: <a href="https://scholar.google.co.nz/citations?hl=en&amp;user=grsvQ5QAAAAJ">https://scholar.google.co.nz/citations?hl=en&amp;user=grsvQ5QAAAAJ</a>
Name: Lee Arthur Spector Paper Count: 27 Google Scholar h-index: 46 Gscholar url: <a href="https://scholar.google.co.nz/citations?hl=en&amp;user=wtKLtLUAAAAJ">https://scholar.google.co.nz/citations?hl=en&amp;user=wtKLtLUAAAAJ</a>
Name: Markus Wagner Paper Count: 27 Google Scholar h-index: 25 Gscholar url: <a href="https://scholar.google.co.nz/citations?hl=en&amp;user=9cbh6PoAAAAJ">https://scholar.google.co.nz/citations?hl=en&amp;user=9cbh6PoAAAAJ</a>
Name: Frank Neumann Paper Count: 27 Google Scholar h-index: 41 Gscholar url: <a href="https://scholar.google.co.nz/citations?hl=en&amp;user=Z5iNnqIAAAAAJ">https://scholar.google.co.nz/citations?hl=en&amp;user=Z5iNnqIAAAAAJ</a>

### Aminer Rank

Aminer rank: 136

Aminer name: Genetic and Evolutionary Computation Conference

Acronym / shortname: GECCO














h-5 index: 40

CCF level:

THU level:

Top Aminer Cites: [http://portal.core.edu.au/core/media/conf\\_submissions\\_citations/higherrank1384\\_aminer\\_top\\_cite.png](http://portal.core.edu.au/core/media/conf_submissions_citations/higherrank1384_aminer_top_cite.png)

## Publications

<a href="#">Top Clited</a>	Authors	Affiliations
<a href="#">Browse by Citation</a>		
1	Evolutionary computation: a unified approach Kenneth Dejong (2016)	Cited by 1477
2	A Genetic Programming Approach to Designing Convolutional Neural Network Architectures Masanori Suganuma, Shinichi Shirakawa, Tomoharu Nagao (2018)	Cited by 245
3	Evaluation of a Tree-based Pipeline Optimization Tool for Automating Data Science Randal S. Olson, Nathan Bartley  , Ryan J. Urbanowicz, Jason H. Moore (2016)	Cited by 176
4	Redesigning the jMetal Multi-Objective Optimization Framework Antonio J. Nebro, Juan José Durillo, Matthieu Vergne  (2015)	Cited by 110
5	Improved Metaheuristic Based on the R2 Indicator for Many-Objective Optimization R Gomez  , Carlos A Coello Coello (2015)	Cited by 108
6	Evolving Mario Levels in the Latent Space of a Deep Convolutional Generative Adversarial Network Vanessa Volz  , Jacob Schrum, Jialin Liu, Simon M. Lucas, Adam Smith, Sebastian Risi (2018)	Cited by 93
7	Reducing Energy Consumption Using Genetic Improvement Bobby R. Bruce  , Justyna Petke, Mark Harman (2015)	Cited by 83
8	Convolution by Evolution: Differentiable Pattern Producing Networks Chrisantha Fernando, Dylan Banarse  , Malcolm Reynolds  , Frederic Besse  , David Pfau, Max Jaderberg, Marc Lanctot, Daan Wierstra (2016)	Cited by 80
9	General Video Game Level Generation Ahmed Khalifa  , Diego Perez Liebana, Simon M. Lucas, Julian Togelius (2016)	Cited by 80
10	Deep Parameter Optimisation Fan Wu  , Westley Weimer, Mark Harman  , Yue Jia  , Jens Krinke  (2015)	Cited by 71
11	Evolutionary Computation for Dynamic Optimization Problems Shengxiang Yang (2015)	Cited by 69
12	General Program Synthesis Benchmark Suite Thomas Helmuth, Lee Spector (2015)	Cited by 69

## Other Rankings

Not aware of any other Rankings

Conferences in area: ACM Genetic and Evolutionary Computation Conference; IEEE Congress on Evolutionary Computation; IEEE Symposium Series on Computational Intelligence; International Conference on Parallel Problem Solving from Nature; International Joint Conference on Neural Networks; International Conference on Neural Information Processing; EvoStar

## Top People Publishing Here

name: Carlos Coello Coello

justification: <https://scholar.google.co.nz/citations?hl=en&user=oJMnjNYAAAAAJ>

Paper counts:

Most Recent:	Second most recent:	Third most recent:	Fourth most recent:	Fifth most recent:
2	4	6	3	0

Attendance: ALWAYS

name: Kalyanmoy Deb

justification: <https://scholar.google.co.nz/citations?hl=en&user=paTAXiIAAAAAAJ>

Paper counts:

Most Recent:	Second most recent:	Third most recent:	Fourth most recent:	Fifth most recent:
10	3	2	9	9

Attendance: ALWAYS

name: Hisao Ishibuchi

justification: <https://scholar.google.co.nz/citations?hl=en&user=vx9EZn4AAAAAJ>

Paper counts:

Most Recent:	Second most recent:	Third most recent:	Fourth most recent:	Fifth most recent:
4	3	5	3	1

Attendance: ALWAYS

name: Thomas StÄijtzle

justification: <https://scholar.google.co.nz/citations?hl=en&user=0rODXkAAAAAJ>

Paper counts:

Most Recent:	Second most recent:	Third most recent:	Fourth most recent:	Fifth most recent:
1	1	1	4	4

Attendance: ALWAYS

name: Yaochu Jin

justification: <https://scholar.google.co.nz/citations?hl=en&user=B5Wakz4AAAAAJ>

Paper counts:

Most Recent:	Second most recent:	Third most recent:	Fourth most recent:	Fifth most recent:
2	2	1	0	3

Attendance: ALWAYS

name: Risto Miikkulainen

justification: <https://scholar.google.co.nz/citations?hl=en&user=2SmbjHAAAAAJ>

Paper counts:

Most Recent:	Second most recent:	Third most recent:	Fourth most recent:	Fifth most recent:
2	4	3	3	4

Attendance: ALWAYS

name: Darrell Whitley

justification: <https://scholar.google.co.nz/citations?hl=en&user=0VzUxIcAAAAAJ>

Paper counts:

Most Recent:	Second most recent:	Third most recent:	Fourth most recent:	Fifth most recent:
3	2	3	4	3

Attendance: ALWAYS

name: Thomas BÄdck

justification: <https://scholar.google.co.nz/citations?hl=en&user=x7LEID0AAAAAJ>

Paper counts:

Most Recent:	Second most recent:	Third most recent:	Fourth most recent:	Fifth most recent:
6	11	7	3	1

Attendance: ALWAYS

name: Kenneth O. Stanley

justification: <https://scholar.google.co.nz/citations?hl=en&user=6Q6o01MAAAAAJ>

Paper counts:

Most Recent:	Second most recent:	Third most recent:	Fourth most recent:	Fifth most recent:
1	4	3	2	2

Attendance: ALWAYS

name: Wolfgang Banzhaf

justification: <https://scholar.google.co.nz/citations?hl=en&user=u-FjxEUAAAAAJ>

Paper counts:

Most Recent:	Second most recent:	Third most recent:	Fourth most recent:	Fifth most recent:
1	4	1	2	3

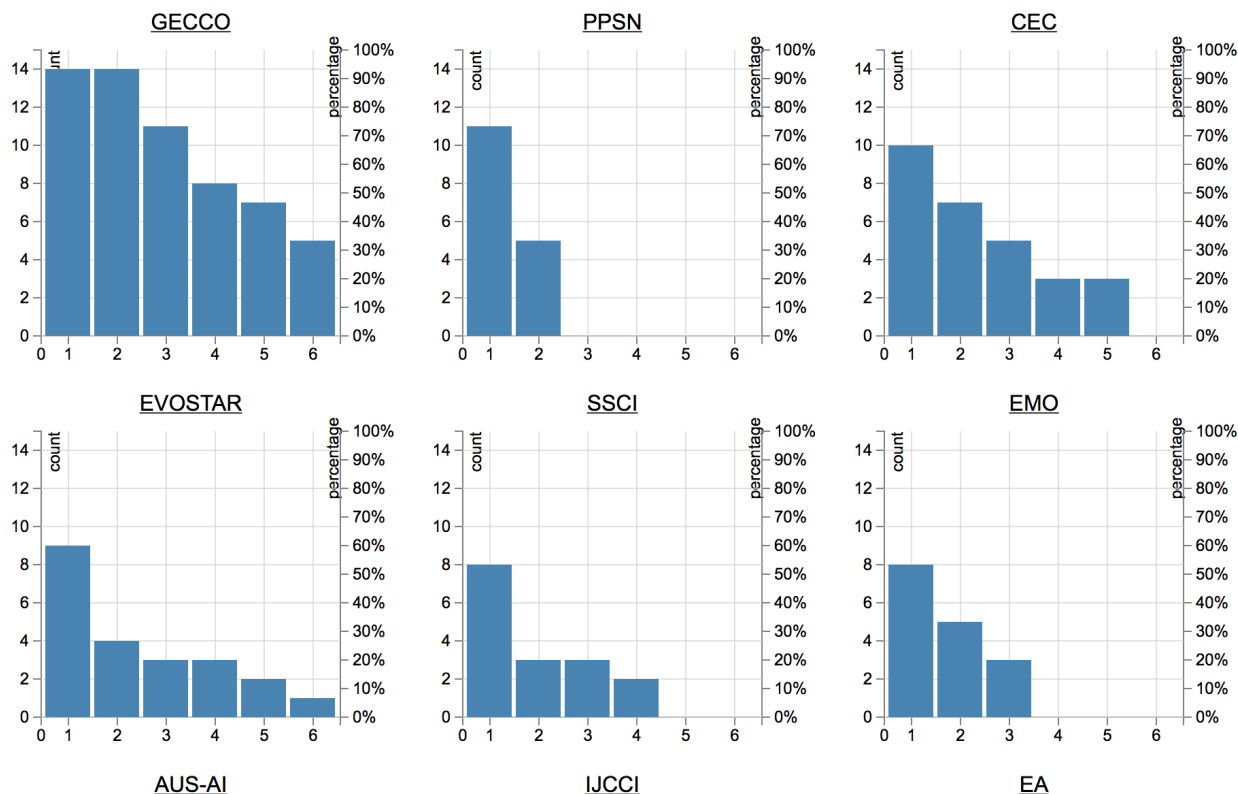
Attendance: ALWAYS

## Where People Publish

## Top (Senior) Program Committee Members

Generated Report Name: conf\_submissions\_top\_spc/higherrank1384\_top\_spc.csv

WPP Report: [http://portal.core.edu.au/core/media/conf\\_rank\\_report/higherrank1384\\_spc\\_report.txt](http://portal.core.edu.au/core/media/conf_rank_report/higherrank1384_spc_report.txt)



Reference item: \\ 1. Annual Conference on Genetic and Evolutionary Computation (GECCO)

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 This conference was published at 179 times by 14 of 15 experts in the last 5 years.

The experts that publish at this conference are: Mengjie Zhang(60), Lus Paquete(3), Sanaz Mostaghim(13), Jonathan E. Fieldsend(18), Frank Neumann 0001(30), Gabriela Ochoa(19), Oliver Schtze(2), Robin C. Purshouse(4), Michael T. M. Emmerich(10), Tapabrata Ray(8), Dirk V. Arnold(3), Carlos Cotta(2), Francisco Fernandez de Vega(2), Francisco Chicano(11)

In 2015, there were 17 publications by 10 experts: Mengjie Zhang, Lus Paquete, Sanaz Mostaghim, Jonathan E. Fieldsend, Frank Neumann 0001, Gabriela Ochoa, Oliver Schtze, Tapabrata Ray, Dirk V. Arnold, Francisco Chicano  
 In 2016, there were 28 publications by 10 experts: Mengjie Zhang, Sanaz Mostaghim, Gabriela Ochoa, Frank Neumann 0001, Jonathan E. Fieldsend, Robin C. Purshouse, Michael T. M. Emmerich, Tapabrata Ray, Carlos Cotta, Francisco Chicano  
 In 2017, there were 30 publications by 10 experts: Mengjie Zhang, Sanaz Mostaghim, Gabriela Ochoa, Frank Neumann 0001, Jonathan E. Fieldsend, Michael T. M. Emmerich, Dirk V. Arnold, Carlos Cotta, Francisco Fernandez de Vega, Francisco Chicano  
 In 2018, there were 30 publications by 10 experts: Mengjie Zhang, Lus Paquete, Sanaz Mostaghim, Jonathan E. Fieldsend, Frank Neumann 0001, Gabriela Ochoa, Robin C. Purshouse, Michael T. M. Emmerich, Francisco Fernandez de Vega, Francisco Chicano  
 In 2019, there were 43 publications by 10 experts: Mengjie Zhang, Sanaz Mostaghim, Gabriela Ochoa, Frank Neumann 0001, Jonathan E. Fieldsend, Robin C. Purshouse, Michael T. M. Emmerich, Tapabrata Ray, Dirk V. Arnold, Francisco Chicano  
 In 2020, there were 31 publications by 9 experts: Lus Paquete, Mengjie Zhang, Michael T. M. Emmerich, Tapabrata Ray, Jonathan E. Fieldsend, Frank Neumann 0001, Gabriela Ochoa, Oliver Schtze, Sanaz Mostaghim

14 out of the 15 experts published at this conference in 2 or more years  
 11 out of the 15 experts published at this conference in 3 or more years  
 8 out of the 15 experts published at this conference in 4 or more years  
 7 out of the 15 experts published at this conference in 5 or more years  
 5 out of the 15 experts published at this conference in 6 or more years

**Top People Report**

Method of selection: Search in Google Scholar with the keyword "label:evolutionary.computation", and take the top 20 in terms of number of citations (skip those with h-index lower than 45).



Keyword: Evolutionary Computation

name	h-index	gscholar url
Kalyanmoy Deb	124	<a href="https://scholar.google.co.nz/citations?hl=en&amp;user=paTAXiIAAAAJ">https://scholar.google.co.nz/citations?hl=en&amp;user=paTAXiIAAAAJ</a>
Yuhui Shi	52	<a href="https://scholar.google.co.nz/citations?hl=en&amp;user=xSvAHWgAAAAAJ">https://scholar.google.co.nz/citations?hl=en&amp;user=xSvAHWgAAAAAJ</a>
Xin Yao	103	<a href="https://scholar.google.co.nz/citations?hl=en&amp;user=UUtYP14AAAAAJ">https://scholar.google.co.nz/citations?hl=en&amp;user=UUtYP14AAAAAJ</a>
Carlos Coello Coello	93	<a href="https://scholar.google.co.nz/citations?hl=en&amp;user=oJMnjNYAAAAAJ">https://scholar.google.co.nz/citations?hl=en&amp;user=oJMnjNYAAAAAJ</a>
Licheng Jiao	83	<a href="https://scholar.google.co.nz/citations?hl=en&amp;user=FZbrL2YAAAAAJ">https://scholar.google.co.nz/citations?hl=en&amp;user=FZbrL2YAAAAAJ</a>
Thomas Bäck	61	<a href="https://scholar.google.co.nz/citations?hl=en&amp;user=x7LEIDOAAAAAJ">https://scholar.google.co.nz/citations?hl=en&amp;user=x7LEIDOAAAAAJ</a>
Mark Harman	89	<a href="https://scholar.google.co.nz/citations?hl=en&amp;user=IwSN8IgAAAAAJ">https://scholar.google.co.nz/citations?hl=en&amp;user=IwSN8IgAAAAAJ</a>
Melanie Mitchell	46	<a href="https://scholar.google.co.nz/citations?hl=en&amp;user=k4gbv2AAAAAJ">https://scholar.google.co.nz/citations?hl=en&amp;user=k4gbv2AAAAAJ</a>
Hisao Ishibuchi	71	<a href="https://scholar.google.co.nz/citations?hl=en&amp;user=vx9EZN4AAAAAJ">https://scholar.google.co.nz/citations?hl=en&amp;user=vx9EZN4AAAAAJ</a>
Darrell Whitley	65	<a href="https://scholar.google.co.nz/citations?hl=en&amp;user=OVzUxIcAAAAAJ">https://scholar.google.co.nz/citations?hl=en&amp;user=OVzUxIcAAAAAJ</a>
A.E. Eiben	58	<a href="https://scholar.google.co.nz/citations?hl=en&amp;user=NMuDaeOAAAAAJ">https://scholar.google.co.nz/citations?hl=en&amp;user=NMuDaeOAAAAAJ</a>
Yaochu Jin	72	<a href="https://scholar.google.co.nz/citations?hl=en&amp;user=B5Wakz4AAAAAJ">https://scholar.google.co.nz/citations?hl=en&amp;user=B5Wakz4AAAAAJ</a>
Andries Engelbrecht	59	<a href="https://scholar.google.co.nz/citations?hl=en&amp;user=h9pOfjOAAAAAJ">https://scholar.google.co.nz/citations?hl=en&amp;user=h9pOfjOAAAAAJ</a>
Qingfu Zhang	59	<a href="https://scholar.google.co.nz/citations?hl=en&amp;user=nhL9PhwAAAAAJ">https://scholar.google.co.nz/citations?hl=en&amp;user=nhL9PhwAAAAAJ</a>
Joshua Knowles	61	<a href="https://scholar.google.co.nz/citations?hl=en&amp;user=nlTQkfGAAAAAJ">https://scholar.google.co.nz/citations?hl=en&amp;user=nlTQkfGAAAAAJ</a>
John Grefenstette	57	<a href="https://scholar.google.co.nz/citations?hl=en&amp;user=uxGXj-YAAAAAJ">https://scholar.google.co.nz/citations?hl=en&amp;user=uxGXj-YAAAAAJ</a>
Nikolaus Hansen	47	<a href="https://scholar.google.co.nz/citations?hl=en&amp;user=Z8ISH-wAAAAAJ">https://scholar.google.co.nz/citations?hl=en&amp;user=Z8ISH-wAAAAAJ</a>
Robert Elliott Smith	77	<a href="https://scholar.google.co.nz/citations?hl=en&amp;user=-TbaReOAAAAAJ">https://scholar.google.co.nz/citations?hl=en&amp;user=-TbaReOAAAAAJ</a>
Risto Miikkulainen	65	<a href="https://scholar.google.co.nz/citations?hl=en&amp;user=2SmbjHAAAAAJ">https://scholar.google.co.nz/citations?hl=en&amp;user=2SmbjHAAAAAJ</a>
Sam Kwong	56	<a href="https://scholar.google.co.nz/citations?hl=en&amp;user=_PVI6EAAAAAJ">https://scholar.google.co.nz/citations?hl=en&amp;user=_PVI6EAAAAAJ</a>

Reference item: \ 1. Annual Conference on Genetic and Evolutionary Computation (GECCO)

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 This conference was published at 223 times by 15 of 19 experts in the last 5 years.

The experts that publish at this conference are: Joshua D. Knowles(2), A. E. Eiben(12), Risto Miikkulainen(25), L. Darrell Whitley(17), Yaochu Jin(8), Qingfu Zhang 0001(11), Xin Yao 0001(5), Kalyanmoy Deb(32), Andries Petrus Engelbrecht(12), Thomas Bck(29), Sam Kwong(1), Nikolaus Hansen(26), Hisao Ishibuchi(17), Carlos A. Coello Coello(21), Mark Harman(7)

In 2015, there were 25 publications by 10 experts: Joshua D. Knowles, A. E. Eiben, Risto Miikkulainen, Carlos A. Coello Coello, Mark Harman, Andries Petrus Engelbrecht, Nikolaus Hansen, Hisao Ishibuchi, L. Darrell Whitley, Thomas Bck

In 2016, there were 38 publications by 10 experts: Qingfu Zhang 0001, Yaochu Jin, Carlos A. Coello Coello, Kalyanmoy Deb, Risto Miikkulainen, Mark Harman, L. Darrell Whitley, Hisao Ishibuchi, Nikolaus Hansen, Thomas Bck

In 2017, there were 36 publications by 13 experts: Joshua D. Knowles, A. E. Eiben, Andries Petrus Engelbrecht, Qingfu Zhang 0001, Xin Yao 0001, Carlos A. Coello Coello, Kalyanmoy Deb, Risto Miikkulainen, Sam Kwong, L. Darrell Whitley, Hisao Ishibuchi, Nikolaus Hansen, Thomas Bck

In 2018, there were 41 publications by 11 experts: Risto Miikkulainen, Yaochu Jin, Qingfu Zhang 0001, Xin Yao 0001, Carlos A. Coello Coello, Kalyanmoy Deb, Andries Petrus Engelbrecht, L. Darrell Whitley, Hisao Ishibuchi, Nikolaus Hansen, Thomas Bck

In 2019, there were 46 publications by 12 experts: A. E. Eiben, Risto Miikkulainen, Yaochu Jin, Qingfu Zhang 0001, Xin Yao 0001, Carlos A. Coello Coello, Thomas Bck, Andries Petrus Engelbrecht, Nikolaus Hansen, Hisao Ishibuchi, L. Darrell Whitley, Kalyanmoy Deb

In 2020, there were 37 publications by 10 experts: A. E. Eiben, Risto Miikkulainen, Yaochu Jin, Qingfu Zhang 0001, Kalyanmoy Deb, Andries Petrus Engelbrecht, L. Darrell Whitley, Hisao Ishibuchi, Carlos A. Coello Coello, Thomas Bck

15 out of the 19 experts published at this conference in 1 or more years

14 out of the 19 experts published at this conference in 2 or more years

12 out of the 19 experts published at this conference in 3 or more years

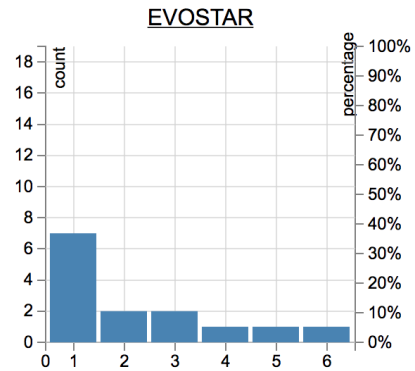
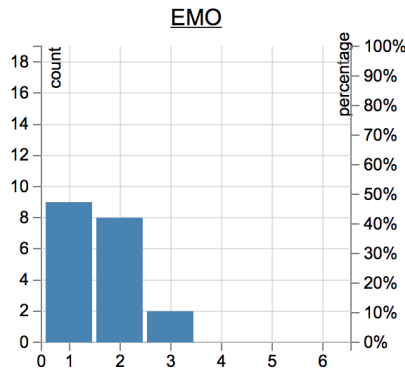
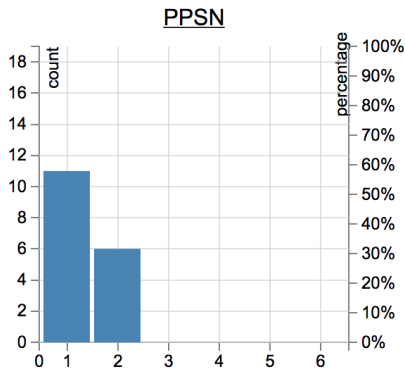
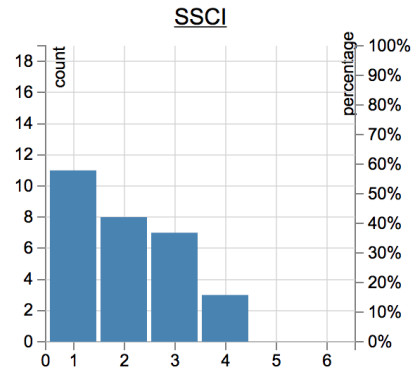
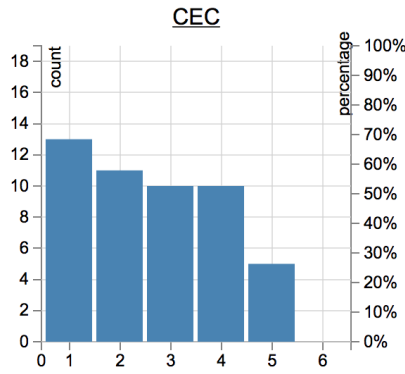
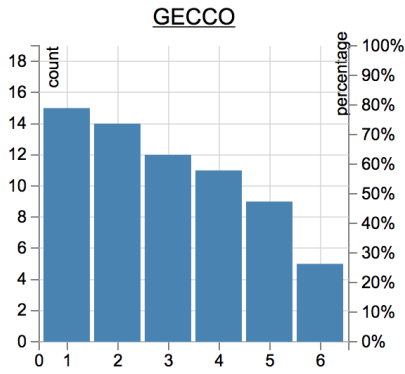
11 out of the 19 experts published at this conference in 4 or more years

9 out of the 19 experts published at this conference in 5 or more years

5 out of the 19 experts published at this conference in 6 or more years WPP Report:

[http://portal.core.edu.au/core/media/conf\\_rank\\_report/higherrank1384\\_top\\_people\\_report.txt](http://portal.core.edu.au/core/media/conf_rank_report/higherrank1384_top_people_report.txt)

Graphs: [http://portal.core.edu.au/core/media/conf\\_rank\\_graphs/higherrank1384\\_top\\_people\\_graph.png](http://portal.core.edu.au/core/media/conf_rank_graphs/higherrank1384_top_people_graph.png)



**Other Information**

**Comparator Comparison**

**Comparator**

International Conference on Neural Information Processing

Explanation as to why conference is superior to comparator:

GECCO's average acceptance rate is 36.3%, which is much lower than ICONIP's average acceptance rate of 63% for the most recent 3 conferences.

GECCO's h5 index is 38, whereas ICONIP's h5 index is 9.

According to the WPP report of the top 20 people in Evolutionary Computation in Section D), GECCO is the 1st most preferred venue in WPP for top people, whereas ICONIP is the 27th.

Link to comparator report:

[http://portal.core.edu.au/core/media/conference\\_submission\\_2020/Data\\_Comparator\\_for\\_1384\\_497.pdf](http://portal.core.edu.au/core/media/conference_submission_2020/Data_Comparator_for_1384_497.pdf)

**Comparator**

IEEE International Joint Conference on Neural Networks

Explanation as to why conference is superior to comparator:

GECCO's average acceptance rate is 36.3%, which is much lower than IJCNN's average acceptance rate of 58.4% for the more recent 3 conferences.

GECCO's h5 index is 38, whereas IJCNN's h5 index is 19.

According to the WPP report of the top 20 people in Evolutionary Computation in Section D), GECCO is the 1st most preferred venue in WPP for top people, whereas IJCNN is the 7th.

Link to comparator report:

[http://portal.core.edu.au/core/media/conference\\_submission\\_2020/Data\\_Comparator\\_for\\_1384\\_498.pdf](http://portal.core.edu.au/core/media/conference_submission_2020/Data_Comparator_for_1384_498.pdf)

**Comparator**

Parallel Problem Solving from Nature

Explanation as to why conference is superior to comparator:

GECCO's average acceptance rate is 36.3%, which is lower than PPSN's average acceptance rate of 39% for the more recent 3 conferences.

GECCO's h5 index is 38, whereas PPSN's h5 index is 19.

According to the WPP report of the top 20 people in Evolutionary Computation in Section D), GECCO is the 1st most preferred venue in WPP for top people, whereas PPSN is the 4th.

Link to comparator report:

[http://portal.core.edu.au/core/media/conference\\_submission\\_2020/Data\\_Comparator\\_for\\_1384\\_524.pdf](http://portal.core.edu.au/core/media/conference_submission_2020/Data_Comparator_for_1384_524.pdf)

## Other Relevant Info

Other relevant information: GECCO is the largest attended evolutionary computation conference, with over 650 registrations on average for the past 3 years. GECCO's participation number is on par or better than that of many current A-level conferences.

According to the ranking from Aminer which is used extensively as a reference in the Core ranking, GECCO is favorably positioned among its peers, which are recognized by Core as A and A\*.

The Aminer CCF rank and H5 Index of GECCO are 136 and 40 respectively. The conferences around GECCO, meaning those with an H5 Index in between 40-5 and 40+5 are mostly regarded as A and A\* by the Core ranking. That shows the consistency between the Aminer and the Core rankings.

Among the conferences with an H5 Index between 40-45, there is only one conference has a Core ranking B, FC, Financial Cryptography and Data Security. Others are all Core A/A\* if listed in the Core ranking.

Among the conferences with a lower H5 Index than GECCO, from 35 to 40, there are over 13 of them ranked A/A\*, including some well-known conferences that are highly regarded in their respective fields, for example:

\* AAMAS (International Joint Conference on Autonomous Agents and Multi-agent Systems, H5 Index = 38); \* CAV (Computer Aided Verification, score = 38); \* SenSys (ACM Conference on Embedded Networked Sensor Systems, H5 Index = 37); \* PERCOM (IEEE International Conference on Pervasive Computing and Communications, H5 Index = 35).

The above four conferences are all ranked A\* by the Core, yet having a H5 Index lower than that of GECCO. Hence the position of GECCO in terms of international recognition is obviously top tier.

Based on the comparison detailed above, GECCO is clearly a high quality venue with a strong global recognition of its prestige in the field of computer science. It should be considered as at least tier A, if not A\*.

## Attachments

[http://portal.core.edu.au/core/media/request\\_attachment/summaryArguments-v4.pdf](http://portal.core.edu.au/core/media/request_attachment/summaryArguments-v4.pdf)

## Proposers

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