Submission Data for 2020-2021 CORE conference Ranking process
European Conference on Evolutionary Computation in Combinatorial Optimisation

Arnaud Liefooghe, LuÃŋs Paquete, Manuel LÃşpez-IbÃąÃśez, Francisco Chicano

Conference Details

Conference

Title: European Conference on Evolutionary Computation in Combinatorial Optimisation
Acronym : EvoCOP
Rank: Unranked

Requested Rank

Rank: B

Recent Years

Proceedings Publishing Style

Proceedings Publishing: series
Link to most recent proceedings: https://doi.org/10.1007/978-3-030-43680-3
Further details: The European Conference on Evolutionary Computation in Combinatorial Optimization (EvoCOP) is one of the four conferences held as part of EvoStar, an international scientific event devoted to evolutionary computation held in Europe. The proceedings of EvoCOP are published by Springer in the Lecture Notes in Computer Science series (LNCS volumes 2037, 2279, 2611, 3004, 3448, 3906, 4446, 4972, 5482, 6022, 6622, 7245, 7832, 8600, 9026, 9595, 10197, 10782, 11452, and 12102). EvoCOP accepts two types of submissions: regular (full) papers and late-breaking abstracts. Only regular papers are published in the LNCS proceedings, with a limit of 16 pages.

Most Recent Years

Most Recent Year

Year: 2019
URL: https://www.evostar.org/2019/cfp_evocop.php
Location: Leipzig, Germany
Papers submitted: 37
Papers published: 13
Acceptance rate: 35
Source for numbers: https://doi.org/10.1007/978-3-030-16711-0

General Chairs

No General Chairs

Program Chairs

Name: Arnaud Liefooghe
Affiliation: University of Lille, France
Gender: M
H Index: 20
GScholar url: https://scholar.google.fr/citations?user=Y2kuG1sAAAAJ
DBLP url: https://dblp.org/pid/90/304.html

Name: LuÃŋs Paquete
Affiliation: University of Coimbra, Portugal
Gender: M
H Index: 29
GScholar url: https://scholar.google.com/citations?user=LkiweUgAAAAJ
DBLP url: https://dblp.org/pid/96/7060.html

Second Most Recent Year

Year: 2018
URL: https://www.evostar.org/2018/cfp_evocop.php
Location: Parma, Italy
Papers submitted: 37
Papers published: 12
Acceptance rate: 32
Source for numbers: https://doi.org/10.1007/978-3-319-77449-7

General Chairs

No General Chairs

Program Chairs

Name: Arnaud Liefooghe Affiliation: University of Lille, France Gender: M H Index: 20 GScholar url: https://scholar.google.fr/citations?user=Y2kuG1sAAAAJ DBLP url: https://dblp.org/pid/90/304.html
Name: Manuel LÃşpez-IbÃąÃśez Affiliation: University of Manchester, UK Gender: M H Index: 32 GScholar url: https://scholar.google.com/citations?user=q_47tpEAAAAJ DBLP url: https://dblp.org/pid/09/132.html

Third Most Recent Year

Year: 2017
URL: https://www.evostar.org/2017/cfp_evocop.php
Location: Amsterdam, The Netherlands
Papers submitted: 39
Papers published: 16
Acceptance rate: 41
Source for numbers: https://doi.org/10.1007/978-3-319-55453-2

General Chairs

No General Chairs

Program Chairs

Name: Bin Hu Affiliation: Austrian Institute of Technology, Austria Gender: M H Index: 19 GScholar url: https://scholar.google.at/citations?user=aq2f7OgAAAAJ DBLP url: https://dblp.org/pid/00/6381.html
Name: Manuel LÃşpez-IbÃąÃśez Affiliation: University of Manchester, UK Gender: M H Index: 32 GScholar url: https://scholar.google.com/citations?user=q_47tpEAAAAJ DBLP url: https://dblp.org/pid/09/132.html

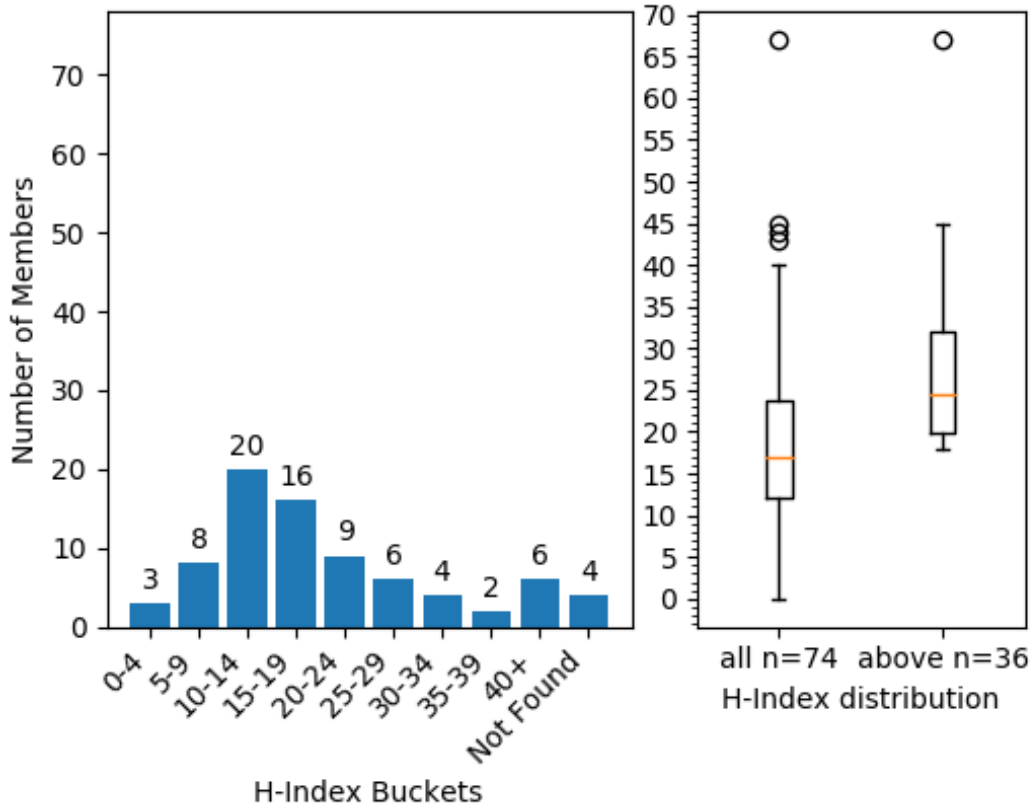
Policies

Chair Selection: The general organisation of EvoCOP (venue, local organisation, and publicity) is done by EvoStar (coordinated by the SPECIES society, and in particular Anna I Esparcia-Alcazar, the EvoStar coordinator, from the Polytechnic University of Valencia, Spain), while the technical organization (call for papers, scientific content, selection of the program committee, acceptance decisions, proceedings, etc.) is done by the two Program Chairs. EvoCOP does not officially have the role of General Chair. Program Chairs are selected by the EvoCOP Steering Committee, based on their scientific recognition and their previous contributions to the conference. The role of Program Chair is for two years, and a new chair is selected every year. The current steering committee of EvoCOP is: Christian Blum, Artificial Intelligence Research Institute, Spain Francisco Chicano, University of MÃąlaga, Spain Carlos Cotta, University of MÃąlaga, Spain Peter Cowling, University of York, UK Jens Gottlieb, SAP SE, Germany Jin-Kao Hao, University of Angers, France

Jano van Hemert, Optos, UK Bin Hu, Austrian Institute of Technology, Austria Arnaud Liefooghe, University of Lille, France Manuel LÃşpez-IbÃąÃśez, University of MÃąlaga, Spain Peter Merz, Hannover University of Applied Sciences and Arts, Germany Martin Middendorf, University of Leipzig, Germany Gabriela Ochoa, University of Stirling, UK LuÃŋs Paquete, University of Coimbra, Portugal GÃijnther Raidl, Vienna University of Technology, Austria
Policy name: The EvoStar Code
Policy url: `http://www.evostar.org/2021/the-evostar-code/`

(Senior) Program Committee

Link to (s)pc: `https://www.evostar.org/2019/cfp_evocop.php`
File: `http://portal.core.edu.au/core/media/conf_submissions_spc_file/evocop2019-pc-members_3kSx0HR.txt`
H-index plot: `http://portal.core.edu.au/core/media/conf_submissions_hindex_plots/higherrank_hindex_buckets_1068.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`
Position in sub-category: 20+
Image of top 20: `http://portal.core.edu.au/core/media/changes_h5/higherrank1068_gscholar_minh5.png`

Categories > Engineering & Computer Science > **Evolutionary Computation**

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

No Google Scholar h5 index available for this conference
Potential reason for no h5 index: Google Scholar explicitly excludes publications with fewer than 100 articles published between 2015 and 2019; (see `https://scholar.google.com.au/intl/en/scholar/metrics.html#coverage)`. EvoCOP had 79 publications between 2015 and 2019.

ACM Metrics

Not Sponsored by ACM

Aminer Rank

Not Listed in Aminer

Other Rankings

URL: `https://www.gov.br/capes/pt-br/centrais-de-conteudo/Qualis_conferencia_ccomp.pdf`
Description: The QUALIS Conference Ranking is sponsored by CAPES (Brazilian Federal Agency for the Improvement of Higher Education).
Rank: B1
Conferences in area: ACM GECCO PPSN EvoCOP IEEE CEC

Top People Publishing Here

name: Carlos Coello
justification: - IEEE Fellow - Top 20 in Google Scholar (Evolutionary Computation), `https://scholar.google.es/citations?view_op=search_authors&hl=es&mauthors=label:evolutionary_computation&before_author=FbT__5leAAAJ&astart=0` - H-index: 93 (`https://scholar.google.es/citations?hl=es&user=oJMnjNYAAAAJ)`

Paper counts:

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

Attendance: OCCASIONALLY
name: Darrell Whitley
justification: - ACM Fellow - Top 20 in Google Scholar (Evolutionary Computation), https://scholar.google.es/citations?view_op=search_authors&hl=es&mauthors=label:evolutionary_computation&before_author=FbT__5leAAAJ&astart=0 - H-index: 66 (https://scholar.google.es/citations?hl=es&user=0VzUxIcAAAAJ)
Paper counts:

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

Attendance: ALWAYS
name: Mengjie Zhang
justification: H-index: 49 (https://scholar.google.es/citations?user=hLvGrrkAAAAJ&hl=es&oi=ao)
Paper counts:

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

Attendance: ALWAYS
name: Martin Middendorf
justification: H-index: 44 (https://scholar.google.es/citations?user=ZZXO0GcAAAAJ&hl=es&oi=ao)
Paper counts:

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

Attendance: SOMETIMES
name: Christian Blum
justification: H-index: 39 (https://scholar.google.es/citations?user=4e-ykx0AAAAJ&hl=es&oi=ao)
Paper counts:

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

Attendance: SOMETIMES
name: Benjamin Doerr
justification: H-index=39 (https://scholar.google.es/citations?user=aXWFB2UdJUUC&hl=es&oi=ao)
Paper counts:

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

Attendance: OCCASIONALLY
name: Ender ÃŰzcan
justification: H-index : 38 (https://scholar.google.es/citations?user=8maqKdgAAAAJ&hl=es&oi=ao)
Paper counts:

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

Attendance: SOMETIMES
name: Gabriela Ochoa
justification: H-index: 36 (https://scholar.google.es/citations?user=9jBS1tEAAAAJ&hl=es&oi=ao)
Paper counts:

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

Attendance: ALWAYS
name: ÃĄgoston E. Eiben
justification: - Top 20 in Google Scholar (Evolutionary Computation), https://scholar.google.es/citations?view_op=search_authors&hl=es&mauthors=label:evolutionary_computation&before_author=FbT__5leAAAJ&astart=0 H-index: 58 (https://scholar.google.es/citations?user=NMuDAe0AAAAJ&hl=es&oi=ao)
Paper counts:

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

Attendance: ALWAYS
name: GÃijnther Raidl
justification: Scopus H-index: 28 (https://www.scopus.com/authid/detail.uri?authorId=6603746050)
Paper counts:

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

Attendance: SOMETIMES

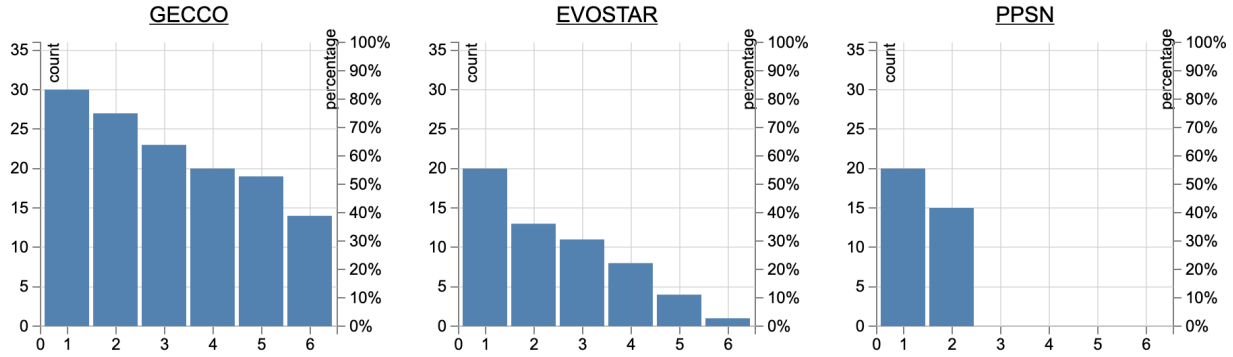
Where People Publish

Top (Senior) Program Committee Members

Generated Report Name: conf_submissions_top_spc/higherrank1068_top_spc.csv
WPP Report: http://portal.core.edu.au/core/media/conf_rank_report/higherrank1068_spc_report.txt
Graphs: http://portal.core.edu.au/core/media/conf_rank_graphs/higherrank1068_spc_graph.png

Repeat year publishing

These graphs show numbers of people publishing in multiple years.Each column shows number of people in that many or more years. The number publishing in a specific number of years can be seen by the difference with respect to the previous column.



Reference item: \\ (Comment: EvoCOP is considered a part of EvoStar in DBLP)

2. EvoStar Conferences (EvoStar)

This conference was published at 78 times by 20 of 36 experts in the last 5 years.

The experts that publish at this conference are: Thomas Sttzle(1), Enrique Alba(1), Gnther R. Raidl(5), Benjamin Doerr(4), Gabriela Ochoa(12), Jos Antonio Lozano(1), Per Kristian Lehre(1), Carlos Cotta(1), Francisco Chicano(4), Giovanni Squillero(7), Juan Julin Merelo Guervs(16), Sbastien Vrel(4), Hernn E. Aguirre(2), Emma Hart(5), Christian Blum 0001(4), El-Ghazali Talbi(1), L. Darrell Whitley(3), Bing Xue 0001(12), Carlos A. Coello Coello(1), Martin Middendorf(3)

In 2015, there were 12 publications by 8 experts: Gnther R. Raidl, Benjamin Doerr, Emma Hart, Carlos Cotta, El-Ghazali Talbi, Bing Xue 0001, Giovanni Squillero, Juan Julin Merelo Guervs
In 2016, there were 18 publications by 11 experts: Martin Middendorf, Gabriela Ochoa, Bing Xue 0001, Per Kristian Lehre, Giovanni Squillero, Juan Julin Merelo Guervs, Emma Hart, Christian Blum 0001, L. Darrell Whitley, Francisco Chicano, Carlos A. Coello Coello
In 2017, there were 16 publications by 13 experts: Bing Xue 0001, Gnther R. Raidl, Gabriela Ochoa, Jos Antonio Lozano, Enrique Alba, Francisco Chicano, Giovanni Squillero, Juan Julin Merelo Guervs, Sbastien Vrel, Hernn E. Aguirre, Christian Blum 0001, L. Darrell Whitley, Thomas Sttzle
In 2018, there were 9 publications by 7 experts: Benjamin Doerr, Emma Hart, Gabriela Ochoa, Bing Xue 0001, Giovanni Squillero, Juan Julin Merelo Guervs, Sbastien Vrel
In 2019, there were 11 publications by 9 experts: Gnther R. Raidl, Emma Hart, Martin Middendorf, Gabriela Ochoa, Bing Xue 0001, L. Darrell Whitley, Francisco Chicano, Juan Julin Merelo Guervs, Sbastien Vrel
In 2020, there were 12 publications by 9 experts: Hernn E. Aguirre, Gnther R. Raidl, Benjamin Doerr, Christian Blum 0001, Emma Hart, Gabriela Ochoa, Francisco Chicano, Juan Julin Merelo Guervs, Sbastien Vrel

20 out of the 36 experts published at this conference in 1 or more years
13 out of the 36 experts published at this conference in 2 or more years
11 out of the 36 experts published at this conference in 3 or more years
8 out of the 36 experts published at this conference in 4 or more years
4 out of the 36 experts published at this conference in 5 or more years
1 out of the 36 experts published at this conference in 6 or more years

Top People Report

Method of selection: Google Scholar search with label:evolutionary_computation label:optimization Top 20
Keyword: evolutionary_computation

name	h-index	gscholar url
Kalyanmoy Deb	124	https://scholar.google.com/citations?hl=en&user=paTAXiIAAAAJ
Yuhui Shi	52	https://scholar.google.com/citations?hl=en&user=xSvAHWgAAAAJ
Xin Yao	103	https://scholar.google.com/citations?hl=en&user=UUtYPl4AAAAJ
Carlos A. Coello Coello	93	https://scholar.google.com/citations?hl=en&user=oJMnjNYAAAAJ
Licheng Jiao	83	https://scholar.google.com/citations?hl=en&user=FZbrL2YAAAAJ
Thomas BÃd̓ck	61	https://scholar.google.com/citations?hl=en&user=x7LEID0AAAAJ
Mark Harman	89	https://scholar.google.com/citations?hl=en&user=IwSN8IgAAAAJ
Melanie Mitchell	46	https://scholar.google.com/citations?hl=en&user=k4gbv2AAAAAJ
Hisao Ishibuchi	71	https://scholar.google.com/citations?hl=en&user=vx9EZN4AAAAJ
Darrell Whitley	66	https://scholar.google.com/citations?hl=en&user=0VzUxIcAAAAJ
Peter Turney	44	https://scholar.google.com/citations?hl=en&user=-B4voPsAAAAJ
A.E. Eiben	58	https://scholar.google.com/citations?hl=en&user=NMuDAe0AAAAJ
Yaochu Jin	72	https://scholar.google.com/citations?hl=en&user=B5WAkz4AAAAJ
Andries Engelbrecht	59	https://scholar.google.com/citations?hl=en&user=h9pOfj0AAAAJ
Qingfu Zhang	59	https://scholar.google.com/citations?hl=en&user=nhL9PHwAAAAJ
Joshua Knowles	61	https://scholar.google.com/citations?hl=en&user=nltQkfgAAAAJ
John Grefenstette	57	https://scholar.google.com/citations?hl=en&user=uxGXj-YAAAAJ
Nikolaus Hansen	47	https://scholar.google.com/citations?hl=en&user=Z8ISh-wAAAAJ
Robert Elliott Smith	77	https://scholar.google.com/citations?hl=en&user=-TbaRe0AAAAJ
Risto Miikkulainen	65	https://scholar.google.com/citations?hl=en&user=2SmbjHAAAAAJ

Reference item: \\ (Comment: EvoCOP is included in EvoStar in DBLP)

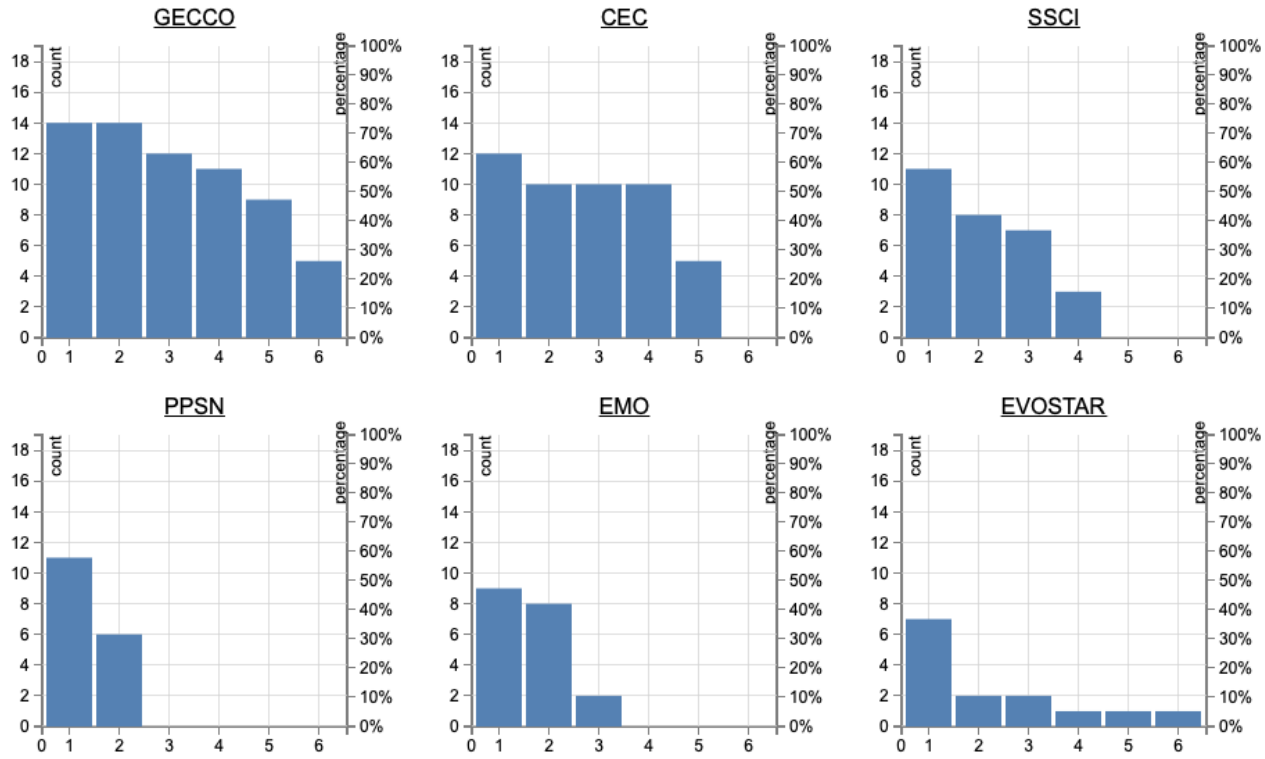
6. EvoStar Conferences (EvoStar)

This conference was published at 16 times by 7 of 19 experts in the last 5 years.

The experts that publish at this conference are: Joshua D. Knowles(2), A. E. Eiben(7), Qingfu Zhang 0001(1), Kalyanmoy Deb(1), Andries Petrus Engelbrecht(1), L. Darrell Whitley(3), Carlos A. Coello Coello(1)

In 2015, there were 1 publications by 1 experts: A. E. Eiben
In 2016, there were 6 publications by 5 experts: Carlos A. Coello Coello, A. E. Eiben, Joshua D. Knowles, L. Darrell Whitley, Kalyanmoy Deb
In 2017, there were 2 publications by 2 experts: L. Darrell Whitley, A. E. Eiben
In 2018, there were 2 publications by 1 experts: A. E. Eiben
In 2019, there were 3 publications by 3 experts: L. Darrell Whitley, A. E. Eiben, Andries Petrus Engelbrecht
In 2020, there were 2 publications by 2 experts: Qingfu Zhang 0001, A. E. Eiben

7 out of the 19 experts published at this conference in 1 or more years
2 out of the 19 experts published at this conference in 3 or more years
1 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/higherrank1068_top_people_report.txt
Graphs: http://portal.core.edu.au/core/media/conf_rank_graphs/higherrank1068_top_people_graph.png



Other Information

Comparator Comparison

Comparator

International Conference on Integration of Artificial Intelligence and Operations Research Techniques in Constraint Programming for Combinatorial Optimization Problems

Explanation as to why conference is superior to comparator:
EvoCOP is more selective, with an acceptance rate of 32-41% compared to 43-49% for CPAIOR. The Program Committee in EvocOP includes more top researchers: 37 PC members were selected by the CORE tool as input for the WPP tool, while only 15 were selected from the PC of COCOA.
The average number of citations is higher in EvoCOP (12.72) than CPAIOR (9.23) according to the GGS ranking: `http://valutazione.unibas.it/gii-grin-scie-rating/`. We assume the h5-index can also be higher.
Link to comparator report:
`http://portal.core.edu.au/core/media/conference_submission_2020/Data_Comparator_for_1068_262.pdf`

Comparator

European Conference on Genetic Programming

Explanation as to why conference is superior to comparator:
We consider the quality of EuroGP and EvoCOP are similar. They are sister conferences, inside the EvoStar group of conferences. However, we highlight here that EvoCOP is more selective, with an acceptance rate of 32-41% for EvoCOP compared to the 50-65% of EuroGP. The Program Committee in EvoCOP includes more top researchers: 37 PC members were selected by the CORE tool as input for the WPP tool, while only 26 were selected from the PC of EuroGP.
In EuroGP the best paper nominees are invited to extend their work to Genetic Programming and Evolvable Machines, with Clarivate IF=1.781 and position 15 in Google Scholar, while EvoCOP best paper nominees are invited to Evolutionary Computation Journal, with Clarivate IF=3.993, one of the top journals in the field and in position 6 in Google Scholar.
The average number of citations in EvoCOP (12.72) is slightly lower than EuroGP (13.96) according to the GGS ranking: `http://valutazione.unibas.it/gii-grin-scie-rating/`. But we consider this difference too small to be significant.
Link to comparator report:
`http://portal.core.edu.au/core/media/conference_submission_2020/Data_Comparator_for_1068_263.pdf`

Comparator

Conference on Combinatorial Optimization and Applications

Explanation as to why conference is superior to comparator:
EvoCOP is more selective, with an acceptance rate of 32-41% compared to 45-54% for COCOA. The Program Committee in EvocOP includes more top researchers: 37 PC members were selected by the CORE tool as input for the WPP tool, while only 17 were selected from the PC of COCOA.
The average number of citations is higher in EvoCOP (12.72) than COCOA (4.62) according to the GGS ranking: `http://valutazione.unibas.it/gii-grin-scie-rating/`. We assume the h5-index can also be higher.
In EvoCOP, the best paper nominees have been invited to be published at Evolutionary Computation Journal, with Clarivate impact factor 3.993, one of the top journals in the field and n. 6 in google ranking. COCOA papers have been invited to publish in Theoretical Computer Science with, Clarivate IF=0.747, and Journal of Combinatorial Optimization, with IF=0.843.
Finally, EvoCOP has a much more diverse and international Program Committee than COCOA, which is mainly composed by Chinese researchers.
Link to comparator report:
`http://portal.core.edu.au/core/media/conference_submission_2020/Data_Comparator_for_1068_568.pdf`

Other Relvant Info

Other relevant information: In EvoCOP, the best paper nominees have been invited to be published at Evolutionary Computation Journal, with Clarivate impact factor 3.993, one of the top journals in the field and n. 6 in google ranking.

Attachments

N/A

Proposers

First name: Arnaud
Last name: Liefooghe
Affiliation: University of Lille, France
Email: arnaud.liefooghe@univ-lille.fr

First name: LuÃŋs
Last name: Paquete
Affiliation: University of Coimbra, Portugal
Email: paquete@dei.uc.pt

First name: Manuel
Last name: LÃşpez-IbÃąÃśez
Affiliation: University of Manchester, UK
Email: manuel.lopez-ibanez@manchester.ac.uk

First name: Francisco
Last name: Chicano
Affiliation: University of Malaga, Spain
Email: chicano@lcc.uma.es

Submitted By

Name: Chicano Francisco
Email: chicano@lcc.uma.es