Submission Data for 2020-2021 CORE conference Ranking process
International Conference on the Principles of Knowledge Representation and Reasoning

Michael Thielscher, Toby Walsh

Conference Details

Conference

Title: International Conference on the Principles of Knowledge Representation and Reasoning
Acronym : KR
Rank: A*

Requested Rank

Rank: A*

Recent Years

Proceedings Publishing Style

Proceedings Publishing: self-contained
Link to most recent proceedings: `https://proceedings.kr.org/2020/`
Further details: Publisher: IJCAI (since 2020)
Previous publishers: AAAI (2002-2018) Morgan Kaufmann (1989-2002)

Most Recent Years

Most Recent Year

Year: 2018
URL: `http://reasoning.eas.asu.edu/kr2018/`
Location: Tempe, Arizona
Papers submitted: 243
Papers published: 65
Acceptance rate: 27
Source for numbers: `https://www.aaai.org/Library/KR/kr18contents.php`

General Chairs

Name: Frank Wolter
Affiliation: University of Liverpool
Gender: M
H Index: 62
GScholar url: `https://scholar.google.com/citations?user=A6cSqMUAAAAJ`
DBLP url: `https://dblp.org/pid/w/FrankWolter.html`

Program Chairs

Name: Michael Thielscher
Affiliation: UNSW Australia
Gender: M
H Index: 31
GScholar url: `https://scholar.google.com/citations?user=xsGVxe4AAAAJ`
DBLP url: `https://dblp.org/pid/t/MichaelThielscher.html`

Name: Francesca Toni
Affiliation: Imperial College London
Gender: F
H Index: 43
GScholar url: `https://scholar.google.com/citations?user=L9dwO2cAAAAJ`
DBLP url: `https://dblp.org/pid/t/FrancescaToni.html`

Second Most Recent Year

Year: 2016
URL: http://kr2016.cs.uct.ac.za/
Location: Cape Town, South Africa
Papers submitted: 182
Papers published: 49
Acceptance rate: 27
Source for numbers: https://www.aaai.org/Press/Proceedings/kr16.php

General Chairs

Name: Chitta Baral
Affiliation: Arizona State University
Gender: M
H Index: 41
GScholar url: https://scholar.google.com/citations?hl=en&user=9Yd716IAAAAJ
DBLP url: https://dblp.org/pid/b/ChittaBaral.html

Program Chairs

Name: James Delgrande
Affiliation: Simon Fraser University
Gender: M
H Index: 28
GScholar url:
DBLP url: https://dblp.org/pid/d/JamesPDelgrande.html

Name: Frank Wolter
Affiliation: University of Liverpool
Gender: M
H Index: 62
GScholar url: https://scholar.google.com/citations?user=A6cSqMUAAAAJ
DBLP url: https://dblp.org/pid/w/FrankWolter.html

Third Most Recent Year

Year: 2014
URL: https://www.dbai.tuwien.ac.at/kr2014/
Location: Vienna, Austria
Papers submitted: 218
Papers published: 58
Acceptance rate: 27
Source for numbers: https://www.aaai.org/Press/Proceedings/kr14.php

General Chairs

Name: Thomas Eiter
Affiliation: Vienna University of Technology
Gender: M
H Index: 71
GScholar url: https://scholar.google.com/citations?user=X1L03cIAAAAJ
DBLP url: https://dblp.org/pid/e/TEiter.html
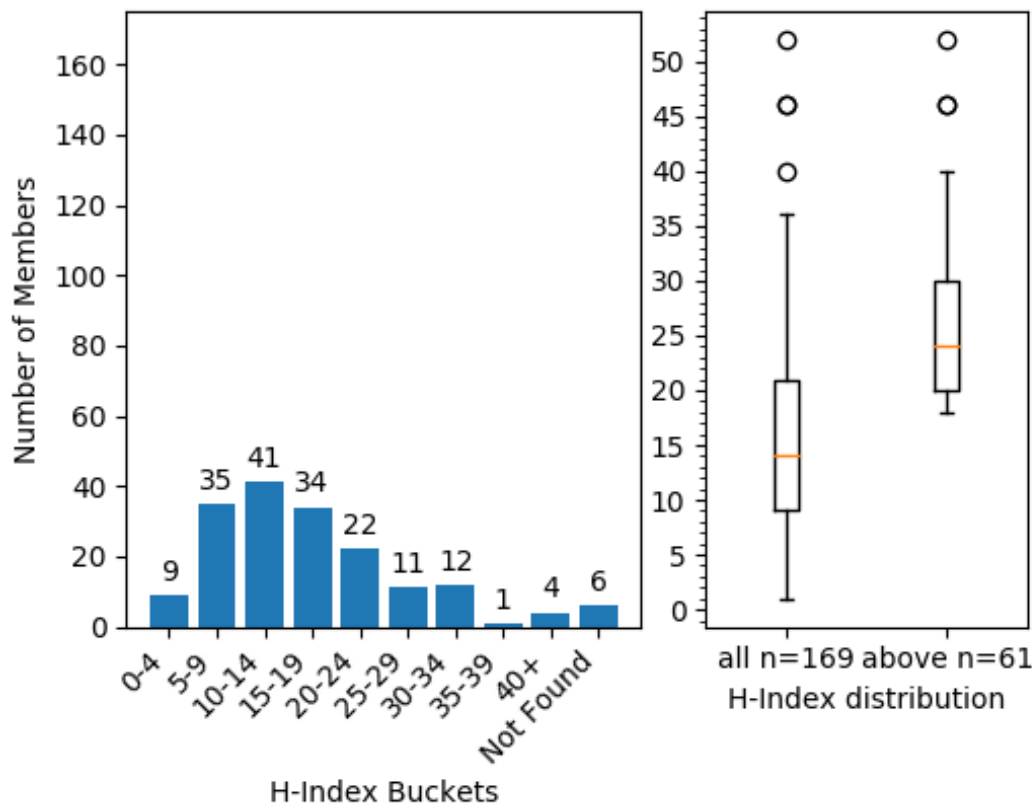
Program Chairs

Name: Chitta Baral
Affiliation: Arizona State University
Gender: M
H Index: 41
GScholar url: https://scholar.google.com/citations?hl=en&user=9Yd716IAAAAJ
DBLP url: https://dblp.org/pid/b/ChittaBaral.html

Name: Giuseppe De Giacomo
Affiliation: Sapienza Universita di Roma
Gender: M
H Index: 74
GScholar url: https://scholar.google.com/citations?user=Sfo4K0oAAAAJ
DBLP url: https://dblp.org/pid/g/GDGiacomo.html

Policies

Chair Selection: The KR conferences are organised by Principles of Knowledge Representation and Reasoning, Incorporated (KR Inc.) Conference and Program Chairs are selected by a Steering Committee comprised of the Directors, the Treasurer and the Clerk of KR Inc. and the Program, Conference and Local Chairs of the most recent, the current and the next KR Conference.

Selection criteria are first and foremost scientific excellence and regular publications in the area of the conference. Other criteria include experience in the organisation of scientific events as well as geographical and gender diversity.

A KR Conferences Code of Conduct and Diversity and Inclusion Policy is currently under development by the Steering Committee for 2021.

No Policies.

(Senior) Program Committee

Link to (s)pc: `https://kr2020.inf.unibz.it/page/organization`
File: `http://portal.core.edu.au/core/media/conf_submissions_spc_file/SPC_ShIyyo2.txt`
H-index plot: `http://portal.core.edu.au/core/media/conf_submissions_hindex_plots/hindex_buckets_1650.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_artificialintelligence`
Position in sub-category: 20+
Image of top 20: `http://portal.core.edu.au/core/media/changes_h5/higherrank1650_gscholar_minh5.png`

	Publication	h5-index	h5-median
1.	International Conference on Learning Representations	203	359
2.	Neural Information Processing Systems	198	377
3.	International Conference on Machine Learning (ICML)	171	309
4.	AAAI Conference on Artificial Intelligence	126	183
5.	Expert Systems with Applications	111	152
6.	IEEE Transactions On Systems, Man And Cybernetics Part B, Cybernetics	111	150
7.	IEEE Transactions on Neural Networks and Learning Systems	107	146
8.	Neurocomputing	100	143
9.	Applied Soft Computing	96	123
10.	International Joint Conference on Artificial Intelligence (IJCAI)	95	140
11.	IEEE Transactions on Fuzzy Systems	87	117
12.	Knowledge-Based Systems	85	121
13.	The Journal of Machine Learning Research	82	153
14.	Neural Computing and Applications	67	98
15.	Neural Networks	64	92
16.	International Conference on Artificial Intelligence and Statistics	57	89
17.	Engineering Applications of Artificial Intelligence	57	78
18.	Robotics and Autonomous Systems	56	87
19.	Conference on Learning Theory (COLT)	54	80
20.	Journal of Intelligent & Fuzzy Systems	50	79

h5-index for this conference: 19

ACM Metrics

Not Sponsored by ACM

Aminer Rank

Aminer rank: 70
Aminer name: International Conference on Principles of Knowledge Representation and Reasoning
Acronym / shortname: KR
h-5 index: 20
CCF level:
THU level:
Top Aminer Cites: http://portal.core.edu.au/core/media/conf_submissions_citations/higherrank1650_aminer_top_cite.png

1

Characteristics of Multiple Viewpoints in Abstract Argumentation

Paul E. Dunne, Wolfgang Dvořák, Thomas Linsbichler, Stefan Woltran

(2015)

Cited by 73

2

Analyzing the computational complexity of abstract dialectical frameworks via approximation fixpoint theory

Hannes Strass, Johannes Peter Wallner

(2015)

Cited by 52

3

Discontinuity-Free Decision Support with Quantitative Argumentation Debates

Antonio Rago, Francesca Toni , Marco Aurisicchio, Pietro Baroni

(2016)

Cited by 50

4

Axiomatic Foundations of Acceptability Semantics

Leila Amgoud, Jonathan Ben-Naim

(2016)

Cited by 46

5

Certain Answers as Objects and Knowledge

Leonid Libkin

(2016)

Cited by 43

6

Open-World Probabilistic Databases

Ismail Ilkan Ceylan, Adnan Darwiche , Guy Van den Broeck

(2016)

Cited by 41

7

Weighted Rules under the Stable Model Semantics

Joohyung Lee, Yi Wang

(2016)

Cited by 37

8

Knowlege Graph Embedding by Flexible Translation

Jun Feng, Mantong Zhou , Yu Hao , Minlie Huang, Xiaoyan Zhu

(2015)

Cited by 37

9

Ranking Arguments With Compensation-Based Semantics

Leila Amgoud, Jonathan Ben-Naim, Dragan Doder, Srdjan Vesic

(2016)

Cited by 37

10

Reasoning about Equilibria in Game-Like Concurrent Systems

Julian Gutierrez, Paul Harrenstein, Michael Wooldridge

(2017)

Cited by 33

11

Closed Predicates in Description Logics: Results on Combined Complexity

Nhung Ngo, Magdalena Ortiz, Mantas Simkus

(2016)

Cited by 32

12

Commonsense Causal Reasoning between Short Texts

Zhiyi Luo , Yuchen Sha , Kenny Q. Zhu, Seung-won Hwang, Zhongyuan Wang

(2016)

Cited by 32

13

Merging of Abstract Argumentation Frameworks

Jérôme Delobelle , Adrian Haret , Sébastien Konieczny, Jean-Guy Mailly, Julien Rossit, Stefan Woltran

(2016)

Cited by 31

Other Rankings

Not aware of any other Rankings
Conferences in area:

Top People Publishing Here

name: Giuseppe De Giacomo
justification: AAAI fellow EurAI fellow H-Index 74
Paper counts:

Most Recent:	Second most recent:	Third most recent:	Fourth most recent:	Fifth most recent:
4	1	3	0	2

Attendance: ALWAYS
name: Thomas Eiter
justification: EurAI fellow H-Index 71
Paper counts:

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

Attendance: ALWAYS
name: Carsten Lutz
justification: EurAI fellow H-Index 57
Paper counts:

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

Attendance: ALWAYS
name: Sheila McIlraith
justification: AAAI fellow H-Index 53
Paper counts:

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

Attendance: ALWAYS
name: Pierre Marquis
justification: EurAI fellow
Paper counts:

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

Attendance: ALWAYS
name: Diego Calvanese
justification: EurAI fellow ACM fellow H-Index 72
Paper counts:

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

Attendance: ALWAYS
name: Stefan Woltran
justification: EurAI fellow
Paper counts:

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

Attendance: ALWAYS
name: Anthony Cohn
justification: AAAI fellow EurAI fellow
Paper counts:

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

Attendance: ALWAYS
name: Ian Horrocks
justification: EurAI fellow H-Index 96
Paper counts:

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

Attendance: OFTEN
name: Georg Gottlob
justification: EurAI fellow H-Index 77
Paper counts:

Most Recent:	Second most recent:	Third most recent:	Fourth most recent:	Fifth most recent:
1	0	0	4	1

Attendance: OFTEN

Where People Publish

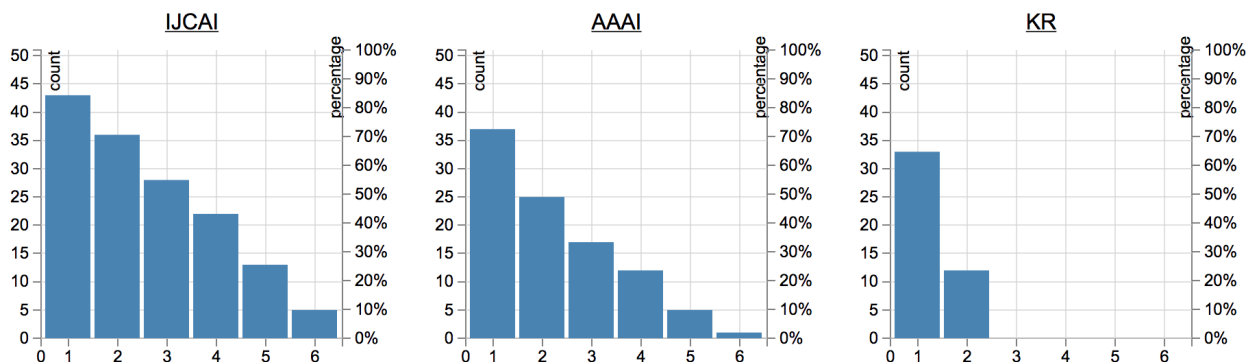**Top (Senior) Program Committee Members**

Generated Report Name: conf_submissions_top_spc/higherrank1650_top_spc.csv
WPP Report: `http://portal.core.edu.au/core/media/conf_rank_report/higherrank1650_spc_report.txt`
Graphs: `http://portal.core.edu.au/core/media/conf_rank_graphs/higherrank1650_spc_graph.png`

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: \\ 3. International Conference on Principles of Knowledge Representation and Reasoning (KR)

This conference was published at 56 times by 33 of 51 experts in the last 5 years.

The experts that publish at this conference are: Stefan Woltran(3), Katsumi Inoue(2), John-Jules Ch. Meyer(1), Michael Gelfond(1), Steven Schockaert(2), Pietro Baroni(2), Jochen Renz(2), Kewen Wang(1), Francesca Toni(4), Tomi Janhunen(3), Antonella Poggi(1), Andreas Herzig(1), Sbastien Konieczny(5), Sebastian Rudolph(1), Guillermo Ricardo Simari(1), Sergio Greco(1), Joseph Y. Halpern(2), Domenico Lembo(2), Marco Montali(1), Leila Amgoud(5), Kristian Kersting(1), Pierre Marquis(3), Sheila A. McIlraith(3), Bernardo Cuenca Grau(2), Thomas Lukasiewicz(2), Maurizio Lenzerini(2), Nicolas Maudet(2), Franz Baader(1), Roman Kontchakov(1), Markus Krtzsch(1), Aniello Murano(5), Leon van der Torre(1), Bernhard Nebel(2)

In 2016, there were 26 publications by 22 experts: Stefan Woltran, Michael Gelfond, Katsumi Inoue, Joseph Y. Halpern, Marco Montali, Leila Amgoud, Domenico Lembo, John-Jules Ch. Meyer, Sheila A. McIlraith, Thomas Lukasiewicz, Bernardo Cuenca Grau, Andreas Herzig, Maurizio Lenzerini, Steven Schockaert, Roman Kontchakov, Pietro Baroni, Francesca Toni, Tomi Janhunen, Aniello Murano, Antonella Poggi, Sbastien Konieczny, Sebastian Rudolph
In 2018, there were 30 publications by 23 experts: Stefan Woltran, Guillermo Ricardo Simari, Sergio Greco, Katsumi Inoue, Joseph Y. Halpern, Nicolas Maudet, Leila Amgoud, Domenico Lembo, Kristian Kersting, Pierre Marquis, Tomi Janhunen, Bernardo Cuenca Grau, Steven Schockaert, Franz Baader, Sheila A. McIlraith, Jochen Renz, Kewen Wang, Francesca Toni, Markus Krtzsch, Aniello Murano, Leon van der Torre, Sbastien Konieczny, Bernhard Nebel

33 out of the 51 experts published at this conference in 1 or more years
12 out of the 51 experts published at this conference in 2 or more years

Top People Report

Method of selection: All AAAI fellows that have an h-index above 45 https://www.aaai.org/Awards/fellows-list.php

	name	h-index	gscholar url
	Martha Palmer	64	https://scholar.google.com/citations?user=pxc_-XYAAAAJ
	Maurizio Lenzerini	82	https://scholar.google.com/citations?user=EYxaICEAAAAJ
	Amit Sheth	106	https://scholar.google.com/citations?user=2T3H4ekAAAAJ
	Giuseppe De Giacomo	74	https://scholar.google.com/citations?user=Sfo4K0oAAAAJ
	Tim Finin	99	https://scholar.google.com/citations?user=p5oWQ0AAAAJ
	Lise Getoor	70	https://scholar.google.com/citations?user=Y8-xGncAAAAJ
	Yolanda Gil	64	https://scholar.google.com/citations?user=NDmGsCgAAAAJ
	Peter Patel-Schneider	64	https://scholar.google.com/citations?user=9WivH3kAAAAJ
	Sheila McIlraith	53	https://scholar.google.com/citations?user=ny2zuvMAAAAJ
	Bernhard Nebel	58	https://scholar.google.com/citations?user=4MhUHPcAAAAJ
Keyword: knowledge	Hector Geffner	49	https://scholar.google.com/citations?user=Wd0CDmcAAAAJ
	Fahiem Bacchus	51	https://scholar.google.com/citations?user=Yy4QD_AAAAAJ
	Anthony Cohn	52	https://scholar.google.com/citations?user=tal4mMkAAAAJ
	Jude Shavlik	62	https://scholar.google.com/citations?user=okf5bmQAAAAJ
	Bart Selman	74	https://scholar.google.com/citations?user=pJ28HA0AAAAJ
	Jim Hendler	94	https://scholar.google.com/citations?user=JNPbTdIAAAAJ
	Yoav Shoham	71	https://scholar.google.co.il/citations?user=fV5P_6MAAAAJ
	Henry Kautz	78	https://scholar.google.com/citations?user=WxQyOYQAAAAJ
	David McAllester	64	https://scholar.google.com/citations?user=nbpafUkAAAAJ
	Joseph Halpern	90	https://scholar.google.com/citations?user=FsBCAfgAAAAJ
	William Clancey	55	https://scholar.google.com/citations?user=TD5bBH4AAAAJ
	Janet Kolodner	55	https://scholar.google.com/citations?user=iAbp65AAAAAJ

Reference item: \\ 4. International Conference on Principles of Knowledge Representation and Reasoning (KR)

This conference was published at 13 times by 6 of 22 experts in the last 5 years.

The experts that publish at this conference are: Maurizio Lenzerini(2), Giuseppe De Giacomo(4), Joseph Y. Halpern(2), Anthony G. Cohn(1), Sheila A. McIlraith(3), Bernhard Nebel(2)

In 2016, there were 7 publications by 5 experts: Maurizio Lenzerini, Anthony G. Cohn, Sheila A. McIlraith, Giuseppe De Giacomo, Joseph Y. Halpern
In 2018, there were 6 publications by 4 experts: Sheila A. McIlraith, Giuseppe De Giacomo, Joseph Y. Halpern, Bernhard Nebel
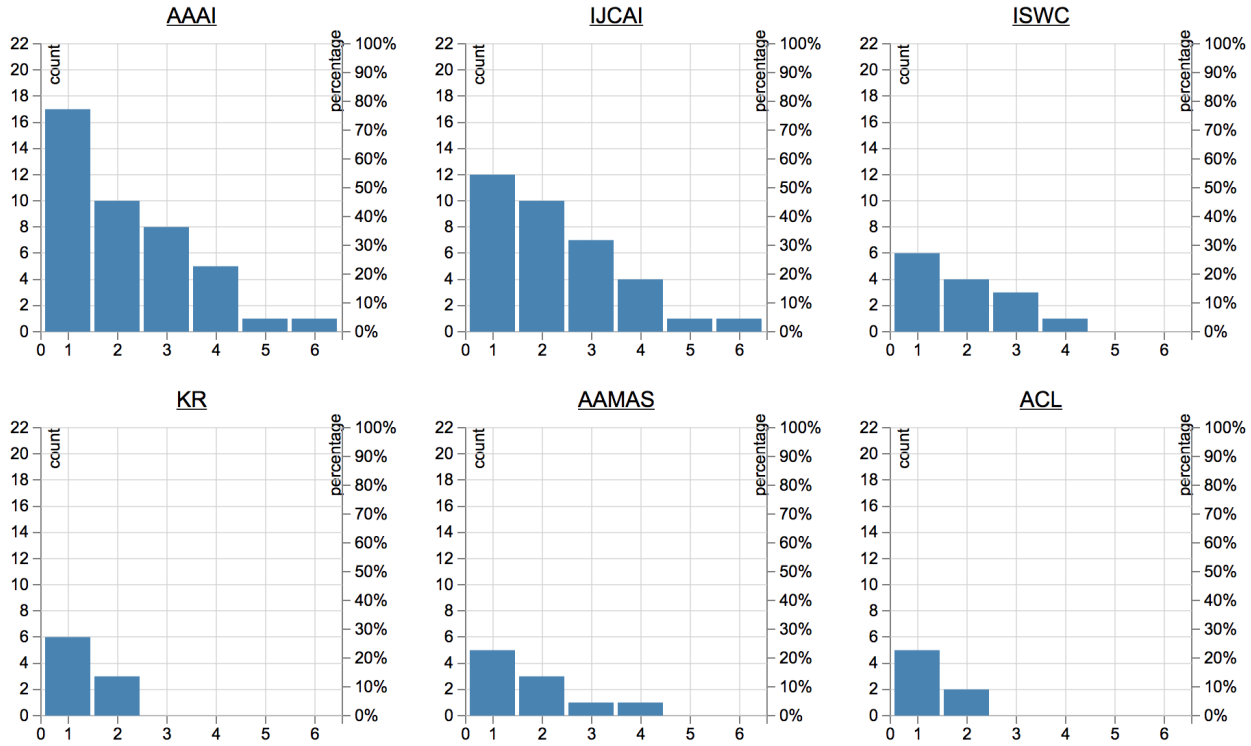
6 out of the 22 experts published at this conference in 1 or more years
3 out of the 22 experts published at this conference in 2 or more years
 WPP Report: http://portal.core.edu.au/core/media/conf_rank_report/higherrank1650_top_people_report.txt
Graphs: http://portal.core.edu.au/core/media/conf_rank_graphs/higherrank1650_top_people_graph.png

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.

Other Information

Comparator Comparison

Comparator

Foundations of Genetic Algorithms

Explanation as to why conference is superior to comparator:
h5 index of KR is 19 (and 20 on Aminer), whereas FOGA doesn't have a h5 index on either platform.
KR is significantly more selective (acceptance rate below 30% compared to around 50%).
Link to comparator report:
`http://portal.core.edu.au/core/media/conference_submission_2020/Data_Comparator_for_1650_1010.pdf`

Comparator

ACM Conference on Economics and Computation

Explanation as to why conference is superior to comparator:
h5 index of KR is 19 (and 20 on Aminer), whereas EC doesn't have a h5 index on either platform.
Link to comparator report:
`http://portal.core.edu.au/core/media/conference_submission_2020/Data_Comparator_for_1650_1013.pdf`

Other Relvant Info

Other relevant information: For some of the comparison metrics it's important to keep in mind that KR is a biennial conference.

Attachments

N/A

Proposers

First name: Michael
Last name: Thielscher
Affiliation: UNSW Australia
Email: mit@unsw.edu.au

First name: Toby
Last name: Walsh
Affiliation: UNSW Australia
Email: t.walsh@unsw.edu.au

Submitted By

Name: T Michael
Email: mit@unsw.edu.au