



**Submission Data for 2020-2021 CORE conference Ranking process  
International Conference on Logic Programming**

Thomas Eiter, Manuel Hermenegildo, Torsten Schaub, Nicola Leone

**Conference Details**

**Conference**

Title: International Conference on Logic Programming

Acronym : ICLP

Rank: A

**Requested Rank**

Rank: A\*

**Recent Years**

**Proceedings Publishing Style**

Proceedings Publishing: journal

Link to most recent proceedings: <https://www.cambridge.org/core/journals/theory-and-practice-of-logic-programming/issue/470444318B0768C290B52925FA85F5FA>

Further details: The Proceedings with the regular papers are published in the Journal "Theory and Practice of Logic Programming", Cambridge University Press, ISSN: 1471-0684 (Print), 1475-3081 (Online),

<https://www.cambridge.org/core/journals/theory-and-practice-of-logic-programming>, since 2010. Short papers and technical communications are not included; they appear in separate proceedings, with varying publishing platforms.

For the bibliometric data, short papers and technical communications have been regarded.

Regular papers of ICLP are reviewed in a 2-stage process, with a final decision about acceptance after a revision phase.

**Most Recent Years**

**Most Recent Year**

Year: 2019

URL: <https://www.cs.nmsu.edu/ALP/iclp2019>

Location: Las Cruces, NM, United States

Papers submitted: 68

Papers published: 30

Acceptance rate: 44

Source for numbers: <https://www.cambridge.org/core/journals/theory-and-practice-of-logic-programming/article/introduction-to-the-35th-international-conference-on-logic-programming-special-issue/5C8A8945F95A45FF3E0EBF648471DEDA>

**General Chairs**

Name: Enrico Pontelli

Affiliation: New Mexico State University

Gender: M

H Index: 36

GScholar url: <https://scholar.google.com/citations?user=vEbcIKYAAAAJ&hl=en&oi=ao>

DBLP url: <https://dblp.uni-trier.de/pid/p/EnricoPontelli.html>

Name: Son Tran Cao

Affiliation: New Mexico State University

Gender: M

H Index: 29

GScholar url: [https://scholar.google.com/citations?user=7jKj\\_NcAAAAJ&hl=en](https://scholar.google.com/citations?user=7jKj_NcAAAAJ&hl=en)

DBLP url: <https://dblp.uni-trier.de/pid/s/TranCaoSon.html>

## Program Chairs

Name: Esra Erdem  
Affiliation: Sabanci University  
Gender: F  
H Index: 26  
G Scholar url: <https://scholar.google.com/citations?user=q-hZTe0AAAAJ&hl=en&oi=ao>  
DBLP url: <https://dblp.uni-trier.de/pid/e/EsraErdem.html>

Name: German Vidal  
Affiliation: Universitat Politecnica de Valencia  
Gender: M  
H Index: 24  
G Scholar url: <https://scholar.google.com/citations?user=00yZLTsAAAAJ&hl=en&oi=ao>  
DBLP url: <https://dblp.uni-trier.de/pid/v/GermanVidal.html>

## Second Most Recent Year

Year: 2018

URL: <https://www.cs.nmsu.edu/ALP/iclp2018/>

Location: Oxford, UK

Papers submitted: 49

Papers published: 25

Acceptance rate: 51

Source for numbers: <https://www.cambridge.org/core/journals/theory-and-practice-of-logic-programming/article/introduction-to-the-34th-international-conference-on-logic-programming-special-issue/5ED65FA948132BA6AF6C4519072E6451>

## General Chairs

Name: Marco Gavanelli  
Affiliation: University of Ferrara, Italy  
Gender: M  
H Index: 23  
G Scholar url: <https://scholar.google.com/citations?user=k-HEsJIAAAAJ&hl=en&oi=ao>  
DBLP url: <https://dblp.uni-trier.de/pid/15/5240.html>

## Program Chairs

Name: Alessandro Dal Palu  
Affiliation: University of Parma, Italy  
Gender: M  
H Index: 18  
G Scholar url: <https://scholar.google.com/citations?user=SS1DqqgAAAAJ&hl=en&oi=ao>  
DBLP url: <https://dblp.uni-trier.de/pid/p/AlessandroDalPalu.html>

Name: Paul Tarau  
Affiliation: University of North Texas, USA  
Gender: M  
H Index: 25  
G Scholar url: <https://scholar.google.com/citations?user=JUMRc-oAAAAJ&hl=en&oi=ao>  
DBLP url: <https://dblp.uni-trier.de/pid/t/PaulTarau.html>

## Third Most Recent Year

Year: 2017

URL: <https://www.cs.nmsu.edu/ALP/iclp2018/>

Location: Melbourne, Australia

Papers submitted: 55

Papers published: 21

Acceptance rate: 38

Source for numbers: <https://www.cambridge.org/core/journals/theory-and-practice-of-logic-programming/article/introduction-to-the-33rd-international-conference-on-logic-programming-special-issue/D771373DB59B373C52DC69F7BCBE0BCF>

## General Chairs

Name: Maria Garcia de la Banda  
Affiliation: Monash University, Australia  
Gender: F  
H Index: 30  
GScholar url: <https://scholar.google.com/citations?user=mkm8ZlQAAAAJ&hl=en&oi=ao>  
DBLP url: <https://dblp.uni-trier.de/pid/b/MariaJGarciadelaBanda.html?q=Maria%20Garcia%20de%20la%20banda>

Name: Guido Tack  
Affiliation: Monash University, Australia  
Gender: M  
H Index: 19  
GScholar url: <https://scholar.google.com/citations?user=JHquQGAAAAJ&hl=en&oi=ao>  
DBLP url: <https://dblp.uni-trier.de/pid/41/5343.html?q=Guido%20Tack>

## Program Chairs

Name: Ricardo Rocha  
Affiliation: University of Porto, Portugal  
Gender: M  
H Index: 15  
GScholar url: <https://scholar.google.com/citations?user=1tmBNwQAAAAJ&hl=en>  
DBLP url: <https://dblp.uni-trier.de/pid/20/2773-1.html>

Name: Tran Cao Son  
Affiliation: New Mexico State University, USA  
Gender: M  
H Index: 29  
GScholar url: [https://scholar.google.com/citations?user=7jKj\\_NcAAAAJ&hl=en](https://scholar.google.com/citations?user=7jKj_NcAAAAJ&hl=en)  
DBLP url: <https://dblp.uni-trier.de/pid/s/TranCaoSon.html>

## Policies

Chair Selection: ICLP is run by the Association for Logic Programming (ALP), which is a charity and company registered in the United Kingdom since 1986.

The General Chair(s) of ICLP are selected by the Executive Committee (EC) of ALP from nominations (self nominations allowed). The program Chair(s) of ICLP are also selected by the EC. The criteria for selection include (but are not limited to) scientific merit, gender and diversity (including geographic distribution), and coverage of topics. Common practice since more than one decade has been that the Program Chairs were recruited preferably from the members of the EC, without further vote; the latter are elected by the Members of the ALP in competition, where potential EC candidates are identified by the EC or a sufficiently large group of ALP members. PC Chairs not from the EC are selected from nominations by EC or ALP Board members by consensus or voting.

Further information about the selection of the General Chair(s), the Program Chair(s), and the policy of ICLP can be found at

<https://www.cs.nmsu.edu/ALP/the-association-for-logic-programming/policies-2/conference-policy-2/>

Policy name: Diversity and Inclusion Policy

Policy url: <https://www.cs.nmsu.edu/ALP/diversion-and-inclusion-policy>

Policy name: Executive Committee Elections

Policy url:

<https://www.cs.nmsu.edu/ALP/the-association-for-logic-programming/policies-2/executive-committee-elections>

Policy name: For Referees

Policy url: <https://www.cs.nmsu.edu/ALP/the-association-for-logic-programming/policies-2/policies>

Policy name: Conference Policy

Policy url: <https://www.cs.nmsu.edu/ALP/the-association-for-logic-programming/policies-2/conference-policy-2>

Policy name: ALP Bylaws

Policy url: <https://www.cs.nmsu.edu/ALP/the-association-for-logic-programming/policies-2/alp-by-laws/>

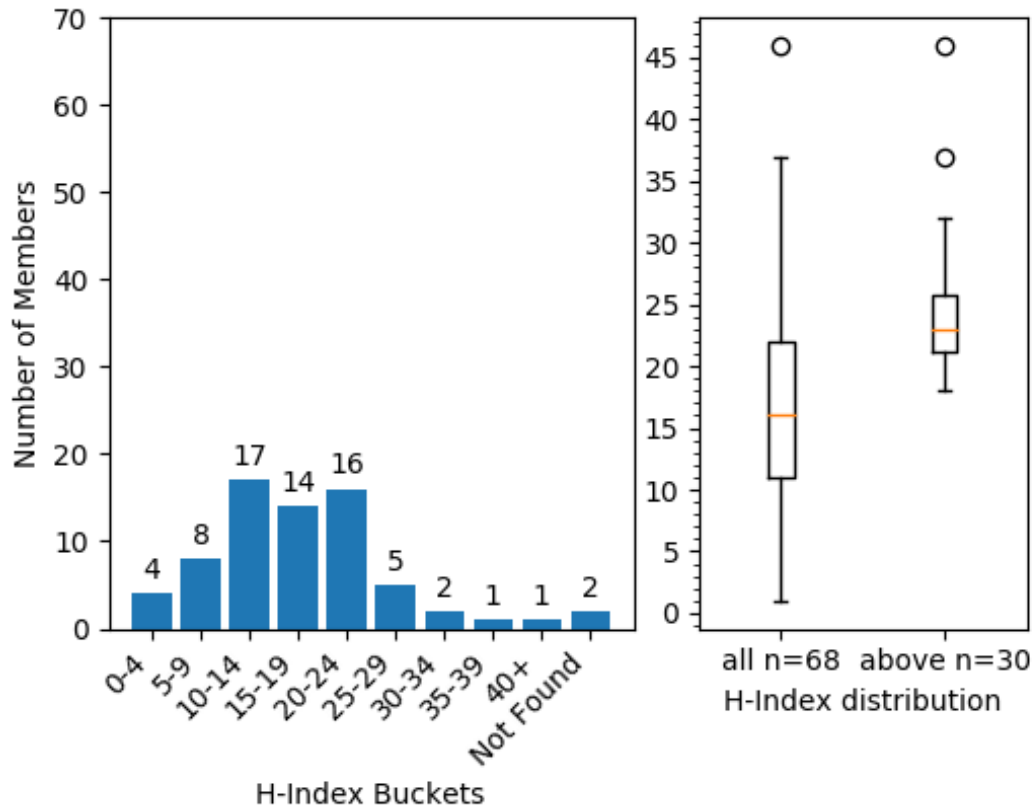
## (Senior) Program Committee

Link to (s)pc: <https://www.cs.nmsu.edu/ALP/iclp2020/>

File: [http://portal.core.edu.au/core/media/conf\\_submissions\\_spc\\_file/iclp2020-pc\\_8I4WAj7.txt](http://portal.core.edu.au/core/media/conf_submissions_spc_file/iclp2020-pc_8I4WAj7.txt)

H-index plot: [http://portal.core.edu.au/core/media/conf\\_submissions\\_hindex\\_plots/hindex\\_buckets\\_1345.png](http://portal.core.edu.au/core/media/conf_submissions_hindex_plots/hindex_buckets_1345.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\\_theoreticalcomputerscience](https://scholar.google.com.au/citations?view_op=top_venues&hl=en&vq=eng_theoreticalcomputerscience)

Position in sub-category: 20+

Image of top 20: [http://portal.core.edu.au/core/media/changes\\_h5/higherrank1345\\_gs\\_scholar\\_minh5.png](http://portal.core.edu.au/core/media/changes_h5/higherrank1345_gs_scholar_minh5.png)

	Publication	<u>h5-index</u>	<u>h5-median</u>
1.	ACM Symposium on Theory of Computing	<u>63</u>	85
2.	IEEE Symposium on Foundations of Computer Science (FOCS)	<u>54</u>	78
3.	ACM SIAM Symposium on Discrete Algorithms	<u>49</u>	65
4.	SIAM Journal on Computing	<u>45</u>	69
5.	Journal of the ACM (JACM)	<u>38</u>	57
6.	Theoretical Computer Science	<u>37</u>	52
7.	International Colloquium on Automata, Languages and Programming (ICALP)	<u>32</u>	42
8.	Conference on Innovations in Theoretical Computer Science	<u>31</u>	45
9.	Journal of Computer and System Sciences	<u>31</u>	44
10.	IEEE Symposium on Logic in Computer Science	<u>31</u>	40
11.	ACM Transactions on Algorithms (TALG)	<u>28</u>	37
12.	Algorithmica	<u>28</u>	35
13.	Fundamenta Informaticae	<u>27</u>	41
14.	Logical Methods in Computer Science	<u>27</u>	36
15.	Journal of Automated Reasoning	<u>26</u>	43
16.	Information Processing Letters	<u>26</u>	35
17.	Information and Computation	<u>26</u>	34
18.	Random Structures & Algorithms	<u>26</u>	34
19.	European Symposium on Algorithms	<u>26</u>	33
20.	Journal of Logic and Computation	<u>25</u>	33

*Dates and citation counts are estimated and are determined automatically by a computer program.*

No Google Scholar h5 index available for this conference

Potential reason for no h5 index: Presumably because the proceedings of ICLP are published in the journal Theory and Practice of Logic Programming. Google Scholar does not recognize these papers as they appear as journal articles with no reference to ICLP.

### ACM Metrics

Not Sponsored by ACM

### Aminer Rank

Not Listed in Aminer

### Other Rankings

Not aware of any other Rankings

Conferences in area: International Joint Conference on Artificial Intelligence AAAI Conference on Artificial Intelligence  
 — International Conference on Knowledge Representation and Reasoning (KR) International Conference on Logic Programming  
 International Joint Conference on Automated Reasoning  
 — Logic for Programming, Artificial Intelligence and Reasoning International Conference on Logic Programming and Nonmonotonic Reasoning  
 International Conference on Inductive Logic Programming European Conference on Logic for AI (JELIA) International Conference on Functional Programming —

### Top People Publishing Here

name: Vladimir Lifschitz

justification: Distinguished and influential researcher in Knowledge Representation and Reasoning

Milestone work like creation of answer set semantics, the basis for the field of Answer Set Programming  
AAAI Fellow GS: 23917 cit., h-index 62

Paper counts:

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

Attendance: ALWAYS

name: Peter J. Stuckey

justification: Eminent member of the constraint programming and LP community, member in many editorial boards, chair of many conferences

GS 15619, h-index 59

Paper counts:

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

Attendance: OFTEN

name: Torsten Schaub

justification: Creator of the state of the art system clasp and the Potassco solver suite.

Leading figure in Answer Set Programming

EurAI Fellow, ECAI Chair

GS 10711, h-index 53

Paper counts:

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

Attendance: ALWAYS

name: Thomas Eiter

justification: Fundamental results for complexity of reasoning in rule-based systems and declarative problem solving EurAI Fellow, Member of Austrian Academy of Sciences, Member of Academia Europea, conference chair of IJCAI, conference/program chair of KR

GS h-index 71, 20543 citations

Paper counts:

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

Attendance: OFTEN

name: Francesca Toni

justification: leading figure in abstract argumentation, abductive reasoning, multi-agents and logic programming

EurAI Fellow, program chair of KR

9017 h-index 42

Paper counts:

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

Attendance: SOMETIMES

name: Nicola Leone

justification: fundamental contributions to declarative problem solving (dlv system), constraint satisfaction and database query languages

EurAI Fellow, Member of Academia Europea

GS 11898 cit., h-index 56

Paper counts:

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

Attendance: ALWAYS

name: Carlo Zaniolo

justification: fundamental contributions to logic and databases in theory and systems (LDL)

ACM Fellow

GS 12229 cit. h-index 61

Paper counts:

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

Attendance: OFTEN

name: Michael Kifer

justification: distinguished researcher in logic and databases

Influential work on object-logical systems (F-logic), honored with multiple test-of-the time awards (ACM) and database systems

GS 12644, h-index 52

Paper counts:

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

Attendance: OFTEN

name: Manuel Hermenegildo

justification: distinguished member of the logic programming and programming languages communities  
 member in numerous editorial boards and steering committees  
 Member of Academia Europea, many national and international research recognitions  
 GS 9356 cit., h-index 53

Paper counts:

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

Attendance: ALWAYS

name: Mirosław Truszczyński

justification: Fundamental contributions to knowledge representation, nonmonotonic reasoning, logic programming, and constraint satisfaction and programming.

AAAI Fellow, program chair, general chair and president of KR GS 8330 cit., h-index 44

Paper counts:

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

Attendance: ALWAYS

## Where People Publish

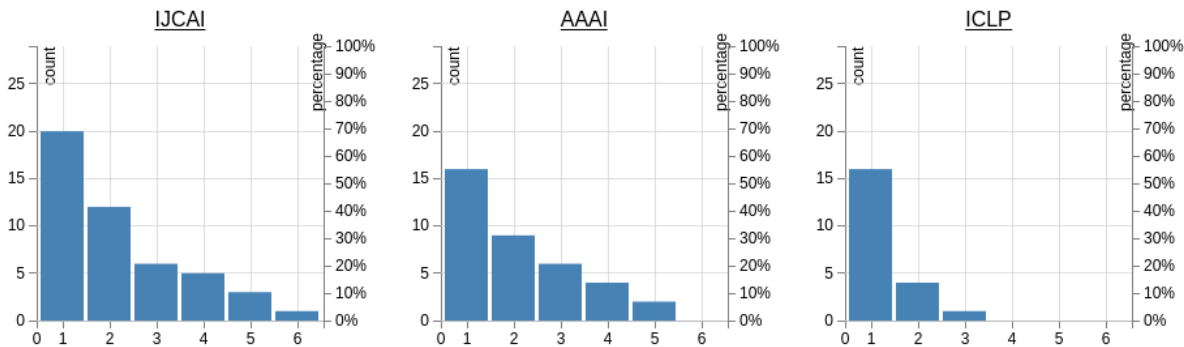
### Top (Senior) Program Committee Members

Generated Report Name: conf\_submissions\_top\_spc/higherrank1345\_top\_spc.csv

WPP Report: [http://portal.core.edu.au/core/media/conf\\_rank\\_report/higherrank1345\\_spc\\_report.txt](http://portal.core.edu.au/core/media/conf_rank_report/higherrank1345_spc_report.txt)

Graphs: [http://portal.core.edu.au/core/media/conf\\_rank\\_graphs/higherrank1345\\_spc\\_graph.png](http://portal.core.edu.au/core/media/conf_rank_graphs/higherrank1345_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.*



Journal WPP Report: [http://portal.core.edu.au/core/media/conf\\_rank\\_journal\\_report/higherrank1345\\_spc\\_jnl\\_report.txt](http://portal.core.edu.au/core/media/conf_rank_journal_report/higherrank1345_spc_jnl_report.txt)

Reference item: \\ 3. International Conference on Logic Programming (ICLP)

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 This conference was published at 22 times by 16 of 29 experts in the last 5 years.

The experts that publish at this conference are: Torsten Schaub(3), Michael Hanus(1), Wolfgang Faber 0001(1), Vladimir Lifschitz(1), Michael Codish(1), Hans Tompits(1), Tomi Janhunen(1), Katsumi Inoue(3), Enrico Pontelli(4), Martin Gebser(3), Manuel V. Hermenegildo(3), Marc Denecker(1), Evelina Lamma(1), Tran Cao Son(2), Marco Maratea(1), Michael Gelfond(1)

In 2015, there were 6 publications by 5 experts: Enrico Pontelli, Evelina Lamma, Hans Tompits, Katsumi Inoue, Marco Maratea

In 2016, there were 8 publications by 9 experts: Tran Cao Son, Martin Gebser, Wolfgang Faber 0001, Marc Denecker, Tomi Janhunen, Vladimir Lifschitz, Torsten Schaub, Enrico Pontelli, Michael Gelfond

In 2017, there were 3 publications by 3 experts: Michael Codish, Manuel V. Hermenegildo, Michael Hanus

In 2018, there were 5 publications by 4 experts: Enrico Pontelli, Tran Cao Son, Manuel V. Hermenegildo, Katsumi Inoue

16 out of the 29 experts published at this conference in 1 or more years

4 out of the 29 experts published at this conference in 2 or more years

1 out of the 29 experts published at this conference in 3 or more years

## Top People Report

Method of selection: Method:

1) topic search in Google Scholar, select candidates with h-index  $\geq$  45

a 'logic programming' b 'logic and constraint programming' c 'answer set programming' d 'knowledge representation and reasoning' e 'computational logic'

(researchers with connection to logic-programming of d, e)

2) A\* journal editors with topic relation (present / past) AIJ, ACM TOPLAS

3) AAAI Fellows with topic relation

4) ACM Fellows with topic relation

	name	h-index	gscholar url
Keyword:	Stephen Muggleton	74	<a href="https://scholar.google.com/citations?hl=en&amp;user=WxJXT2MAAAAJ">https://scholar.google.com/citations?hl=en&amp;user=WxJXT2MAAAAJ</a>
	Dale Miller	54	<a href="https://scholar.google.com/citations?hl=en&amp;user=d9WopvMAAAAJ">https://scholar.google.com/citations?hl=en&amp;user=d9WopvMAAAAJ</a>
	Maurice Bruynooghe	48	<a href="https://scholar.google.com/citations?hl=en&amp;user=JQ7hJQgAAAAJ">https://scholar.google.com/citations?hl=en&amp;user=JQ7hJQgAAAAJ</a>
	Axel Polleres	58	<a href="https://scholar.google.com/citations?hl=en&amp;user=R-SmVOYAAAAJ">https://scholar.google.com/citations?hl=en&amp;user=R-SmVOYAAAAJ</a>
	Michael Kifer	52	<a href="https://scholar.google.com/citations?hl=en&amp;user=HIOYWhYAAAAJ">https://scholar.google.com/citations?hl=en&amp;user=HIOYWhYAAAAJ</a>
	Krzysztof R. Apt	50	<a href="https://scholar.google.com/citations?user=80M1xD0AAAAJ&amp;hl=en&amp;oi=sra">https://scholar.google.com/citations?user=80M1xD0AAAAJ&amp;hl=en&amp;oi=sra</a>
	Nicola Leone	56	<a href="https://scholar.google.com/citations?hl=en&amp;user=CfWxOHAAAAAJ">https://scholar.google.com/citations?hl=en&amp;user=CfWxOHAAAAAJ</a>
	Thomas Eiter	71	<a href="https://scholar.google.com/citations?hl=en&amp;user=X1L03cIAAAAAJ">https://scholar.google.com/citations?hl=en&amp;user=X1L03cIAAAAAJ</a>
	Adnan Darwiche	55	<a href="https://scholar.google.com/citations?hl=en&amp;user=NzyvbZoAAAAJ">https://scholar.google.com/citations?hl=en&amp;user=NzyvbZoAAAAJ</a>
	Torsten Schaub	53	<a href="https://scholar.google.com/citations?hl=en&amp;user=XknBv7MAAAAJ">https://scholar.google.com/citations?hl=en&amp;user=XknBv7MAAAAJ</a>
	Vladimir Lifschitz	62	<a href="https://scholar.google.com/citations?hl=en&amp;user=Fu0qWNEAAAAJ">https://scholar.google.com/citations?hl=en&amp;user=Fu0qWNEAAAAJ</a>
	Luc De Raedt	66	<a href="https://scholar.google.com/citations?hl=en&amp;user=dgobBB6AAAAAJ">https://scholar.google.com/citations?hl=en&amp;user=dgobBB6AAAAAJ</a>
	Victor Vianu	47	<a href="https://scholar.google.com/citations?hl=en&amp;user=CK_GLC8AAAAAJ">https://scholar.google.com/citations?hl=en&amp;user=CK_GLC8AAAAAJ</a>
	Chitta Baral	41	<a href="https://scholar.google.com/citations?hl=en&amp;user=9Yd716IAAAAAJ">https://scholar.google.com/citations?hl=en&amp;user=9Yd716IAAAAAJ</a>
	Michael Gelfond	43	<a href="https://scholar.google.com/citations?hl=en&amp;user=IcXx2DkAAAAAJ">https://scholar.google.com/citations?hl=en&amp;user=IcXx2DkAAAAAJ</a>
	Antoniou Grigoris	44	<a href="https://scholar.google.com/citations?hl=en&amp;user=IzsVwVEAAAAAJ">https://scholar.google.com/citations?hl=en&amp;user=IzsVwVEAAAAAJ</a>
	Tran Cao Son	29	<a href="https://scholar.google.com/citations?hl=en&amp;user=7jKj_NcAAAAAJ">https://scholar.google.com/citations?hl=en&amp;user=7jKj_NcAAAAAJ</a>
	Francesca Toni	42	<a href="https://scholar.google.com/citations?hl=en&amp;user=L9dw02cAAAAAJ">https://scholar.google.com/citations?hl=en&amp;user=L9dw02cAAAAAJ</a>
	Guillermo R. Simari	37	<a href="https://scholar.google.com/citations?hl=en&amp;user=GDCXAzQAAAAAJ">https://scholar.google.com/citations?hl=en&amp;user=GDCXAzQAAAAAJ</a>
	Peter Stuckey	59	<a href="https://scholar.google.com/citations?hl=en&amp;user=tvFekxwAAAAAJ">https://scholar.google.com/citations?hl=en&amp;user=tvFekxwAAAAAJ</a>
	Fangzhen Lin	40	<a href="https://scholar.google.com/citations?user=klFoxyYAAAAAJ&amp;hl=en&amp;oi=ao">https://scholar.google.com/citations?user=klFoxyYAAAAAJ&amp;hl=en&amp;oi=ao</a>
	Mirosław Truszczyński	44	<a href="https://scholar.google.com/citations?hl=en&amp;user=3N0nXb4AAAAAJ">https://scholar.google.com/citations?hl=en&amp;user=3N0nXb4AAAAAJ</a>
	Robert A. Kowalski	46	<a href="https://scholar.google.com/citations?user=pvkQAJ0AAAAAJ&amp;hl=en&amp;oi=sra">https://scholar.google.com/citations?user=pvkQAJ0AAAAAJ&amp;hl=en&amp;oi=sra</a>
Carlo Zaniolo	61	<a href="https://scholar.google.com/citations?user=f8FjAtMAAAAJ&amp;hl=en&amp;oi=ao">https://scholar.google.com/citations?user=f8FjAtMAAAAJ&amp;hl=en&amp;oi=ao</a>	
David S Warren	43	<a href="https://scholar.google.com/citations?user=6DDwarUAAAAAJ&amp;hl=en&amp;oi=ao">https://scholar.google.com/citations?user=6DDwarUAAAAAJ&amp;hl=en&amp;oi=ao</a>	
Georg Gottlob	77	<a href="https://scholar.google.com/citations?user=i72_SkUAAAAAJ&amp;hl=en&amp;oi=ao">https://scholar.google.com/citations?user=i72_SkUAAAAAJ&amp;hl=en&amp;oi=ao</a>	
Manuel Hermenegildo	53	<a href="https://scholar.google.com/citations?user=VXQGD0AAAAAJ&amp;hl=en&amp;oi=sra">https://scholar.google.com/citations?user=VXQGD0AAAAAJ&amp;hl=en&amp;oi=sra</a>	

Reference item: \ 2. Theory Pract. Log. Program. (tplp)

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 This journal was published at 125 times by 22 of 27 experts in the last 13 years.

The experts that publish at this journal are: Mirosław Truszczyński(9), Michael Kifer(3), Grigoris Antoniou(2), Robert A. Kowalski(2), Maurice Bruynooghe(7), Michael Gelfond(4), Vladimir Lifschitz(10), Georg Gottlob(2), Thomas Eiter(8), Luc De Raedt(4), Francesca Toni(4), Manuel V. Hermenegildo(13), Guillermo Ricardo Simari(2), Carlo Zaniolo(4), Torsten Schaub(21), Krzysztof R. Apt(2), Peter J. Stuckey(7), Nicola Leone(12), David Scott Warren(4), Chitta Baral(6), Fangzhen Lin(1), Tran Cao Son(8)

WPP Report: [http://portal.core.edu.au/core/media/conf\\_rank\\_report/higherrank1345\\_top\\_people\\_report.txt](http://portal.core.edu.au/core/media/conf_rank_report/higherrank1345_top_people_report.txt)

Graphs: [http://portal.core.edu.au/core/media/conf\\_rank\\_graphs/higherrank1345\\_top\\_people\\_graph.png](http://portal.core.edu.au/core/media/conf_rank_graphs/higherrank1345_top_people_graph.png)

journal version -- no graphs where the graphs should go

#### Other Information

#### Comparator Comparison

#### Comparator

International Joint Conference on Automated Reasoning



Explanation as to why conference is superior to comparator:

IJCAR is a federation of three conferences, CADE, FROCOS and TABLEAUX, which takes place biannually. Somewhat surprisingly the register FoRs for IJCAR are 4602 - Artificial intelligence and 4611 - Machine learning, while one would have expected (also) 4613 - Theory of Computation. As logic and proof play an important role for both IJCAR and ICLP, it is natural to compare these conferences, and ICLP covers aspects of 4602 as well.

Interestingly, CADE and TABLEAUX are, like ICLP, both ranked A in CORE, while FROCOS is not even listed; it is not clear what lifts the joint event to A\*.

The acceptance rates at IJCAR are comparable to the ones at ICLP, while IJCAR has a higher submission number.

While hard to compare, the metrics of the journal TPLP in which the proceedings of ICLP are published (and they make a considerable share of the journal papers) suggests that the impact of ICLP papers should be at least the one of papers at IJCAR: TPLP has h5-index 23 (median 34), while CADE has h5-index 19 (median 31); FROCOS and TABLEAUX are not captured.

Link to comparator report:

[http://portal.core.edu.au/core/media/conference\\_submission\\_2020/Data\\_Comparator\\_for\\_1345\\_685.pdf](http://portal.core.edu.au/core/media/conference_submission_2020/Data_Comparator_for_1345_685.pdf)

## Comparator

IEEE Symposium on Logic in Computer Science

Explanation as to why conference is superior to comparator:

LICS is the flagship conference on logic and theory, and from the A\* conferences classified as 4613 - Theory of Computation (like ICLP) the thematically closest conference to compare with ICLP. All others (EC, FOCS, ISSAC, SODA, STOC) are quite distant in topic and not well comparable to ICLP. Furthermore, in contrast to LICS, ICLP covers also practical aspects: 4612 - Software Engineering, and 4602 - Artificial Intelligence to an extent that lets ICLP not appear to be a pure Theory of Computation conference.

The acceptance rates at LICS are somewhat comparable to the ones of ICLP but lower, yet the number of submitted papers appears to be much higher (factor 2-3 times), which makes having lower acceptance rates easier. Undeniably LICS papers have a high visibility and significant impact in their field and beyond, which for ICLP as a smaller venue may be hard to achieve. Nonetheless, ICLP as the flagship event of its field has rigorous reviewing (two stage process) and high quality assurance.

Link to comparator report:

[http://portal.core.edu.au/core/media/conference\\_submission\\_2020/Data\\_Comparator\\_for\\_1345\\_688.pdf](http://portal.core.edu.au/core/media/conference_submission_2020/Data_Comparator_for_1345_688.pdf)

## Comparator

International Conference on Functional Programming

Explanation as to why conference is superior to comparator:

While ICFP has a different Field Of Research (4612 - Software engineering), it can like ICLP be considered to be the flagship venue for the corresponding programming paradigm, namely functional programming versus logic programming. Both conferences are thematically similar, have similar size (both conferences have a number of co-located workshops, doctoral consortium, etc.), and a similar publication policy (ICFP adopted journal publications in 2017, ICLP already in 2010). The number of submissions is of similar order (taking into account that ICFP has nothing that is comparable to the "technical communications" of ICLP), and the acceptance rate is comparable (with a skew for fewer submission).

Regarding the submission and acceptance numbers of ICFP, for an appropriate comparison the "functional pearl" and "experience report" papers (which look different from technical papers) have been disregarded. For 2019, the number of submitted papers is not online available, but it was kindly communicated to us by the PC chair François Pottier (francois.pottier@inria.fr) (119 submissions, of which 10 were functional pearls and 9 were experience reports). If these were included, the total figures are:

Year submitted accept rate rate (core papers only)

2019 119 39 0.33 0.34 2018 120 40 0.33 0.33 2017 127 44 0.35 0.35

Thus, there is no real discrepancy.

Both ICFP and ICLP do not have h5-indexes, while the journals where the proceedings of these conferences are published, PACMPL and TPLP, respectively, have such indexes, viz. 31 and 23, respectively. However, PACMPL publishes also the proceedings of the A\* conferences POPL and OOPSLA, which arguably have a higher standing than ICFP, thus the h5-index of ICFP would be lower than 31 (which historic data would suggest), while TPLP publishes also regular journal papers, which in the usual metrics have lower numbers than the special issue papers, such that the h5-index of ICLP would be significantly higher than 23. Thus, also in this regard ICFP and ICLP are comparable.

Finally, the best papers from ICFP are also published in a special issue of the Journal of Functional Programming (JFP), in addition to the proceedings publication in PACMPL, in expanded form; while CORE ranks both TPLP and JFP as A, in general TPLP is ranked higher than JFP, cf. <https://www.guide2research.com/journal/>

Link to comparator report:

[http://portal.core.edu.au/core/media/conference\\_submission\\_2020/Data\\_Comparator\\_for\\_1345\\_720.pdf](http://portal.core.edu.au/core/media/conference_submission_2020/Data_Comparator_for_1345_720.pdf)

## Other Relevant Info

Other relevant information: ICLP Field of Research:

As pointed out above, ICLP is classified in CORE as 4613 - Theory of computation. While it is true that Logic Programming in general and ICLP in particular has a strong formal and mathematical basis, also other aspects play an important role especially for ICLP that are not covered well by FoR 4613. In particular, these are:

4612 - Software Engineering, as Logic Programming is a programming paradigm and provides languages and practical tools that resort to this area.

4602 - Artificial Intelligence, as Logic Programming in the broad sense is and has ever been one of the key technologies for developing "intelligent" systems. The need for robust and reliable systems, trust and explanation will lead to an increasing demand of logic-based techniques, with logic programming right in place to serve advanced reasoning tasks and applications.

#### ICLP Reviewing and Acceptance Rates

Regular papers of ICLP are reviewed in a 2-stage process, with a final decision about acceptance after a revision phase, akin to the reviewing process in a journal (and ICLP regular papers are published in the area flagship journal TPLP). The possibility of a revision (which many other conferences do not have) has a tendency to increase the acceptance rate, as the usual revise-and-resubmit-elsewhere cycle can be broken, in the interest of rapid dissemination. Furthermore, acceptance rates should be related to the size of an event as well.

Finally, the fact that ICLP has a dedicated Technical Communications Section, together with the high criteria for acceptance withholds authors from submitting weaker papers as regular papers.

#### ICLP Selection of PC Chairs

As mentioned earlier, ICLP has strong democratic elements in the (pre-)selection of program chairs which are mainly recruited from members of the Executive Committee of the Association for Logic Programming (ALP), which are elected by the members of the association. Diversity, Gender and age balance are important considerations for the nomination of candidates for the Executive Committee, which can be via members of the ALP Board and/or a sufficient number of members of the ALP.

ALP is taking diversity serious: we are proud to report that each edition of ICLP in 2019-2022 has a female co-PC chair (while the editions 2000-2018 had six female co-PC chairs in total). Furthermore, events fostering career development for women, like a special track "Women in Logic Programming", were first held in 2019.

### **Attachments**

N/A

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