Submission Data for 2020-2021 CORE conference Ranking process
Conference on Learning Theory

Peter GrÃijnwald

Conference Details

Conference

Title: Conference on Learning Theory
Acronym : COLT
Rank: A*

Requested Rank

Rank: A*

Recent Years

Proceedings Publishing Style

Proceedings Publishing: series
Link to most recent proceedings: http://proceedings.mlr.press/v125/
Further details: Since a few years, the COLT proceedings have been published fully on-line within the Proceedings of Machine Learning Research (PMLR) Series.
PMLR (http://proceedings.mlr.press/) is managed by the same organization as the Journal of Machine Learning Research, the flagship journal of Machine Learning. Several A+-ranked conferences in the machine learning area such as ICML and UAI also have their proceedings in the PMLR series.
Apart from full main track papers, the proceedings contains a few short Open Problem notes, which are clearly marked as such and listed at the very end of the table of contents.

Most Recent Years

Most Recent Year

Year: 2019
URL: https://learningtheory.org/colt2019/
Location: Phoenix, AZ, USA
Papers submitted: 393
Papers published: 118
Acceptance rate: 30
Source for numbers: http://proceedings.mlr.press/v99/beygelzimer19a/beygelzimer19a.pdf

General Chairs

Name: Peter GrÃijnwald Affiliation: CWI and Leiden University, the Netherlands Gender: M H Index: 32 GScholar url: https://scholar.google.nl/citations?user=wItp6h8AAAAJ DBLP url: https://dblp.org/pid/g/PGrunwald.html
Name: Yishay Mansour Affiliation: Tel Aviv University Gender: M H Index: 71 GScholar url: https://scholar.google.at/citations?user=OEJUgwkAAAAJ DBLP url: https://dblp.org/pid/m/YishayMansour.html

Program Chairs

Name: Daniel Hsu
Affiliation: Columbia University
Gender: M
H Index: 41
GScholar url: https://scholar.google.com/citations?user=Bp6tvy0AAAAJ&hl=en
DBLP url:

Name: Alina Beygelzimer
Affiliation: Yahoo! Research New York
Gender: F
H Index: 28
GScholar url: https://scholar.google.com/citations?user=HvI1xmUAAAAJ&hl=en
DBLP url: https://dblp.org/pid/27/1683.html

Second Most Recent Year

Year: 2018
URL: https://learningtheory.org/colt2018/
Location: Stockholm, Sweden
Papers submitted: 335
Papers published: 91
Acceptance rate: 27
Source for numbers: http://proceedings.mlr.press/v75/bubeck18a/bubeck18a.pdf

General Chairs

Name: Peter Auer
Affiliation: MontanuniversitÃdt Leoben, Austria
Gender: M
H Index: 34
GScholar url: https://scholar.google.at/citations?user=4q93heUAAAAJ
DBLP url: https://dblp.org/pid/42/2392.html

Name: Alexandre ProutiÃĺre
Affiliation: KTH, Sweden
Gender: M
H Index: 44
GScholar url: https://scholar.google.com/citations?user=g5sya5cAAAAJ
DBLP url:

Program Chairs

Name: Sebastien Bubeck
Affiliation: Microsoft Research Redmond, USA
Gender: M
H Index: 39
GScholar url: https://scholar.google.com/citations?user=V2Y1L4sAAAAJ
DBLP url: https://dblp.org/pid/35/4292.html

Name: Philippe Rigollet
Affiliation: Massachusetts Institute of Technology (MIT)
Gender: M
H Index: 28
GScholar url: https://scholar.google.com/citations?user=3Ir65ZkAAAAJ
DBLP url:

Third Most Recent Year

Year: 2017
URL: http://www.learningtheory.org/colt2017/
Location: Amsterdam, the Netherlands
Papers submitted: 228
Papers published: 73
Acceptance rate: 32
Source for numbers: http://proceedings.mlr.press/v65/kale17a/kale17a.pdf

General Chairs

Name: Peter Auer
Affiliation: MontanuniversitÃdt Leoben, Austria
Gender: M
H Index: 34
GScholar url: https://scholar.google.at/citations?user=4q93heUAAAAJ
DBLP url:

Name: Wouter Koolen
Affiliation: CWI Amsterdam, the Netherlands
Gender: M
H Index: 17
GScholar url: https://scholar.google.de/citations?user=34JTfUcAAAAJ
DBLP url:

Name: Tim van Erven
Affiliation: University of Amsterdam, the Netherlands
Gender: M
H Index: 16
GScholar url: https://scholar.google.nl/citations?user=kdxqEMQAAAAJ
DBLP url:

Program Chairs

Name: Satyen Kale
Affiliation: Google Research New York
Gender: M
H Index: 34
GScholar url: https://scholar.google.com/citations?user=gZgQLkgAAAAJ
DBLP url:

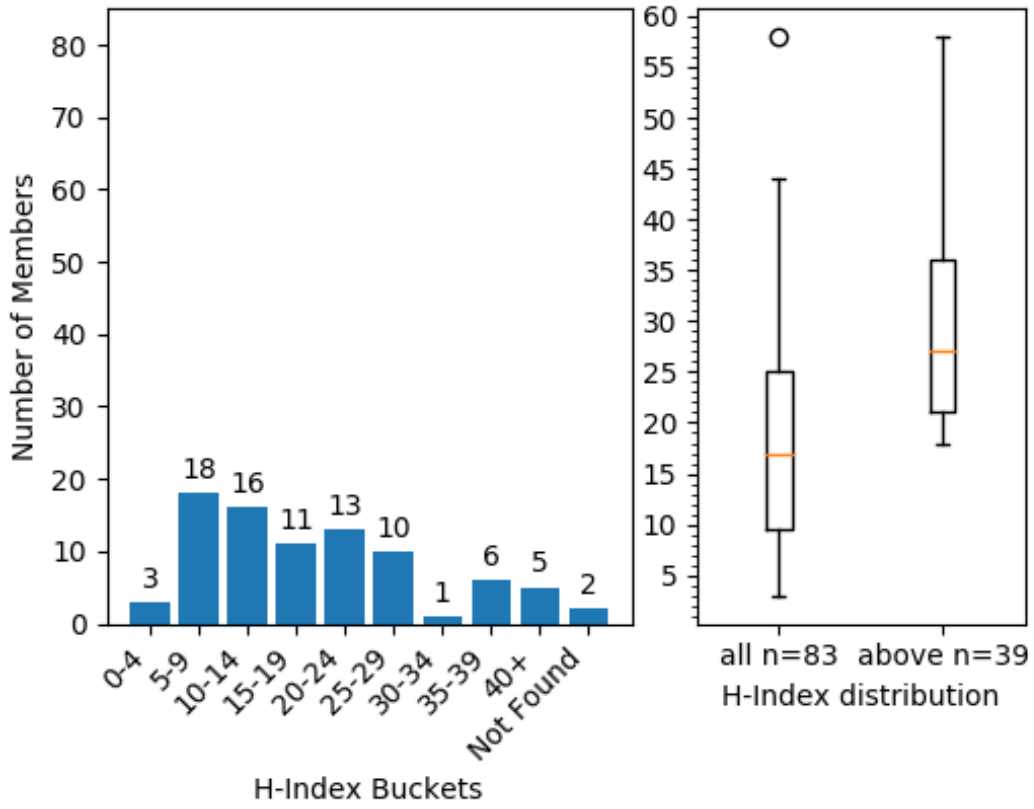
Name: Ohad Shamir
Affiliation: Weizmann Institute of Science, Israel
Gender: M
H Index: 51
GScholar url: https://scholar.google.com/citations?user=all0DHsAAAAJ&hl=en
DBLP url:

Policies

Chair Selection: The COLT conference is run by ACL, the Association for Computational Learning, a non-profit organization. ACL has a Board of Directors consisting of 6 persons. Each year, 2 directors leave and 2 new directors enter, so the directors stay on for 3 years. The new directors are determined by a (digital) election in which every participant of the current and last year's COLT is allowed to participate. Anyone can nominate themselves as a candidate.
** Program Chairs ** Each year, the directors can nominate candidates for becoming next year's program chair. The directors then each make a ranking of the list of all persons nominated. The rankings are combined via the instant run-off voting procedure. The winner is then asked to become program chair, and if so, to select a co-program chair on the list of people nominated for chair.
** General Chairs ** COLT officially has no general chair, but the actual 'general chairing work' is divided between the President of the ACL (who serves 3, sometimes 4 year terms) and one or two 'local' chairs. Local chairs are usually the persons who suggested a particular location in the first place - in case more locations are suggested for the same year, the board of directors decides for one of these. In the list above, Peter GrÃijnwald and Peter Auer were president of the ACL, the other general chairs mentioned were 'local' chairs.
Policy name: Code of Conduct
Policy url: https://www.learningtheory.org/colt2020/codeofconduct.html

(Senior) Program Committee

Link to (s)pc: https://www.learningtheory.org/colt2020/pc.html
File: http://portal.core.edu.au/core/media/conf_submissions_spc_file/CORRpclist.txt
H-index plot: http://portal.core.edu.au/core/media/conf_submissions_hindex_plots/higherrank_hindex_buckets_1088.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: 19
Image of top 20: `http://portal.core.edu.au/core/media/changes_h5/higherrank1088_gscholar_minh5.png`

Google Scholar SIGN IN

Top publications

Categories > Engineering & Computer Science > **Artificial Intelligence**

	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: 54

ACM Metrics

Not Sponsored by ACM

Aminer Rank

Aminer rank: 36
Aminer name: [COLT] Annual Conference on Computational Learning Theory
Acronym / shortname: COLT
h-5 index: 54
CCF level: B
THU level: A
Top Aminer Cites: http://portal.core.edu.au/core/media/conf_submissions_citations/higherrank1088_aminer_top_cite.png

Publications

Top Cited | Authors | Affiliations

Browse by Citation

1. Escaping From Saddle Points - Online Stochastic Gradient for Tensor Decomposition — Cited by 660
   Rong Ge, Furong Huang, Chi Jin, Yang Yuan
   (2015)

2. The Power of Depth for Feedforward Neural Networks — Cited by 451
   Ronen Eldan, Ohad Shamir
   (2016)

3. Gradient Descent Only Converges to Minimizers — Cited by 357
   Jason D. Lee, Max Simchowitz, Michael I. Jordan, Benjamin Recht
   (2016)

4. On the Expressive Power of Deep Learning: A Tensor Analysis — Cited by 301
   Nadav Cohen, Or Sharir, Amnon Shashua
   (2016)

5. Benefits of depth in neural networks — Cited by 283
   Matus Jan Telgarsky
   (2016)

6. Norm-Based Capacity Control in Neural Networks — Cited by 253
   Behnam Neyshabur, Ryota Tomioka, Nathan Srebro
   (2015)

7. Learning without Concentration — Cited by 217
   Shahar Mendelson
   (2015)

8. Non-convex learning via Stochastic Gradient Langevin Dynamics: a nonasymptotic analysis — Cited by 190
   Maxim Raginsky, Alexander Rakhlin, Matus Telgarsky
   (2017)

9. Simple, Efficient, and Neural Algorithms for Sparse Coding — Cited by 158
   Sanjeev Arora, Rong Ge, Tengyu Ma, Ankur Moitra
   (2015)

10. Size-Independent Sample Complexity of Neural Networks — Cited by 154
    Noah Golowich, Alexander Rakhlin, Ohad Shamir
    (2018)

11. Learning Non-Discriminatory Predictors — Cited by 140
    Blake E. Woodworth, Suriya Gunasekar, Mesrob I. Ohannessian, Nathan Srebro
    (2017)

12. Dropping Convexity for Faster Semi-definite Optimization — Cited by 125
    Srinadh Bhojanapalli, Anastasios Kyrillidis, Sujay Sanghavi
    (2016)

13. Accelerated Gradient Descent Escapes Saddle Points Faster than Gradient Descent — Cited by 122
    Chi Jin, Praneeth Netrapalli, Michael I. Jordan
    (2018)

14. Stochastic Block Model and Community Detection in Sparse Graphs: A spectral algorithm with optimal rate of recovery — Cited by 120
    Peter Chin, Anup Rao, Van Vu
    (2015)

Other Rankings

Not aware of any other Rankings
Conferences in area:

Top People Publishing Here

name: Rob Schapire
justification: h-index 80, 110000 citations (extremely high for theoretical work). His work (with Yoav Freund) led to the development of boosting, a central method in machine learning. GÃűdel prize, Paris Kanellakis prize.
Elected to the National Academy of Engineering and to the National Academy of Sciences of the USA
Paper counts:

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

Attendance: OFTEN
name: Nati Srebro
justification: h-index 57. Toyota Technological Institute and Professor at University of Chicago.
Paper counts:

Most Recent:	Second most recent:	Third most recent:	Fourth most recent:	Fifth most recent:
2	5	0	2	0

Attendance: ALWAYS
name: Yishay Mansour
justification: Tel-Aviv Univ and Google. h-index 71 Prof. Mansour was named an ACM fellow in 2014, and in 2019 received the 30-years Test of Time Award of Foundations of Computer Science (FOCS). He is associate editor in a number of journals, program chair of STOC (2016). Supervised several start-up companies.
Paper counts:

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

Attendance: OFTEN
name: John Langford
justification: h-index 67 (age 45). Works at Microsoft Research New York (which he cofounded). Former chair of ICML, currently president of organization running ICML (largest machine learning conference). well known for CAPTCHA challenges (which everyone needs to do when filling in web sites), Contextual Bandits and a well-read blog.
Paper counts:

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

Attendance: OFTEN
name: Michael Jordan
justification: h-index 174 (!). A Professor at UC Berkeley, Jordan is one of the leading figures in machine learning, and in 2016 Science reported him as the world's most influential computer scientist. Jordan is a member of the National Academy of Science, a member of the National Academy of Engineering and a member of the American Academy of Arts and Sciences.
He has been named a Neyman Lecturer and a Medallion Lecturer by the Institute of Mathematical Statistics. He received the David E. Rumelhart Prize in 2015 and the ACM/AAAI Allen Newell Award in 2009. He also won 2020 IEEE John von Neumann Medal.
Paper counts:

Most Recent:	Second most recent:	Third most recent:	Fourth most recent:	Fifth most recent:
3	0	5	0	2

Attendance: OCCASIONALLY
name: Ohad Shamir
justification: Professor at Weizmann Institute, Israel. h-index 51 despite being only 10 years after PhD (obtained in 2010) and 12 years after first publication. Significantly younger than the other ones listed here but rising star.
Paper counts:

Most Recent:	Second most recent:	Third most recent:	Fourth most recent:	Fifth most recent:
3	5	2	0	1

Attendance: ALWAYS
name: Elad Hazan
justification: Professor at Princeton University and Director Google AI Princeton. H-index 50. Recipient of Bell Labs prize, IBM Goldberg best paper award twice, two European Research Council grants, a Marie Curie fellowship and twice the Google Research Award.
Paper counts:

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

Attendance: ALWAYS
name: Avrim Blum
justification: h-index 72. Professor and Chief Academic Officer of the Toyota Technological Institute in Chicago. Fellow of the ACM. He has served as Program Chair for the IEEE Symposium on Foundations of Computer Science (FOCS), the Innovations in Theoretical Computer Science Conference (ITCS), and the Conference on Learning Theory (COLT). He has served as Chair of the ACM SIGACT Committee for the Advancement of Theoretical Computer Science and on the SIGACT Executive Committee. Recipient of the AI Journal Classic Paper Award, the ICML/COLT 10-Year Best Paper Award, the Sloan Fellowship, the NSF National Young Investigator Award, and

the Herbert Simon Teaching Award. Former PhD supervisor of several of the main theorists in machine learning/Neurips chairs: (MF Balcan, J Langford, S Vempala, many others)
Paper counts:

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

Attendance: OFTEN
name: Peter Bartlett
justification: h-index 71, prof at UC Berkeley. Malcolm McIntosh Prize for Physical Scientist of the Year in Australia in 2001, aInstitute of Mathematical Statistics Medallion Lecturer in 2008, an IMS Fellow and Australian Laureate Fellow in 2011, and a Fellow of the ACM in 2018. He was elected to the Australian Academy of Science in 2015.
Paper counts:

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

Attendance: SOMETIMES
name: Francis Bach
justification: h-index 93 while still quite young (PhD 2005) Member French Academy of Sciences Inria young researcher prize in 2012, the ICML test-of-time award in 2014 and 2019, Lagrange prize in continuous optimization in 2018, Jean-Jacques Moreau prize in 2019. In 2015, he was program co-chair of the International Conference in Machine learning (ICML), and general chair in 2018; he is now co-editor-in-chief of the Journal of Machine Learning Research (flagship journal).
Paper counts:

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

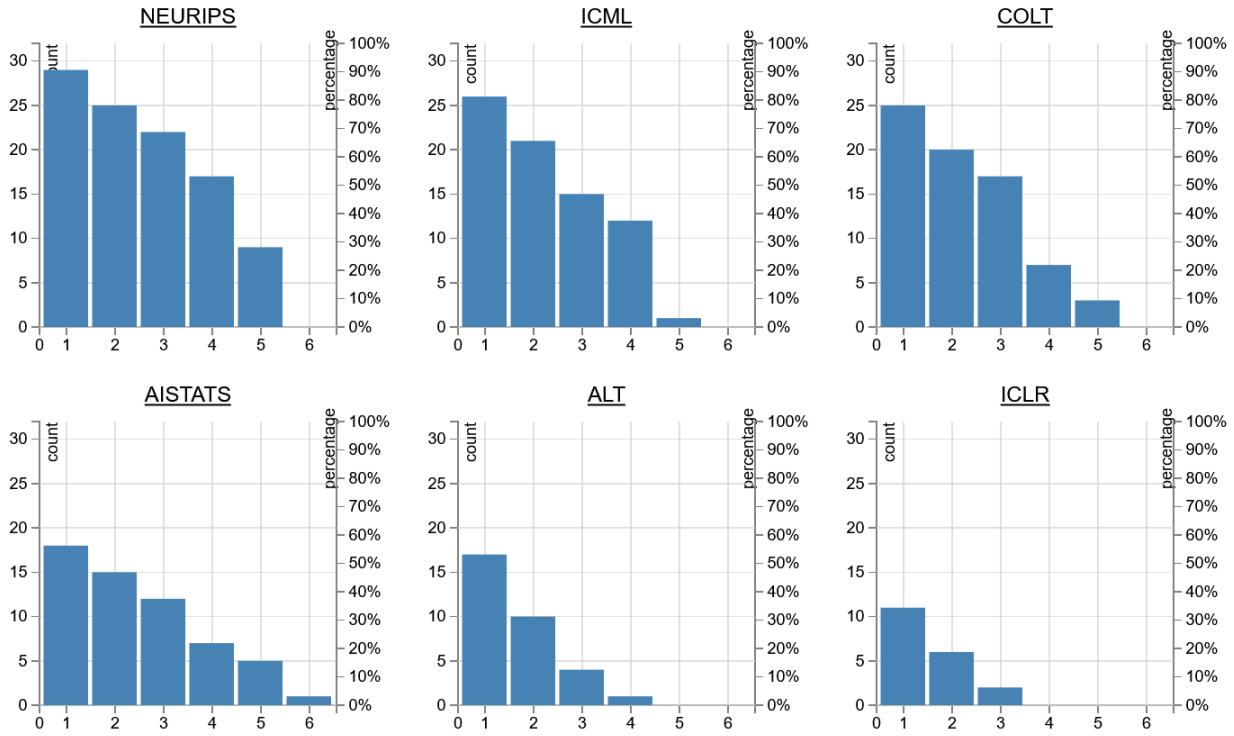
Attendance: SOMETIMES

Where People Publish

Top (Senior) Program Committee Members

Generated Report Name: conf_submissions_top_spc/higherrank1088_top_spc.csv
WPP Report: `http://portal.core.edu.au/core/media/conf_rank_report/higherrank1088_spc_report.txt`
Graphs: `http://portal.core.edu.au/core/media/conf_rank_graphs/higherrank1088_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.

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Reference item: \\ 3. Annual Conference Computational Learning Theory (COLT)
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This conference was published at 92 times by 25 of 32 experts in the last 5 years.
```

The experts that publish at this conference are: Maxim Raginsky(3), Santosh S. Vempala(7), Karthik Sridharan(8), Kamalika Chaudhuri(1), Csaba Szepesvri(2), Gbor Lugosi(1), Shai Ben-David(2), Robert E. Schapire(6), Raghu Meka(1), Philip M. Long(1), Sbastien Bubeck(7), Claudio Gentile(3), Adam Tauman Kalai(3), Nathan Srebro(7), Nicol Cesa-Bianchi(6), Alekh Agarwal(5), Ankur Moitra(3), Peter L. Bartlett(5), Satyen Kale(3), Mehryar Mohri(3), Adam R. Klivans(4), Ilias Diakonikolas(9), Alexander Rakhlin(10), Suvrit Sra(2), Constantinos Daskalakis(6)

In 2015, there were 19 publications by 12 experts: Sbastien Bubeck, Shai Ben-David, Robert E. Schapire, Santosh S. Vempala, Ankur Moitra, Peter L. Bartlett, Mehryar Mohri, Karthik Sridharan, Nathan Srebro, Nicol Cesa-Bianchi, Alexander Rakhlin, Constantinos Daskalakis
In 2016, there were 12 publications by 12 experts: Sbastien Bubeck, Robert E. Schapire, Santosh S. Vempala, Ankur Moitra, Mehryar Mohri, Claudio Gentile, Satyen Kale, Ilias Diakonikolas, Nicol Cesa-Bianchi, Alexander Rakhlin, Suvrit Sra, Kamalika Chaudhuri
In 2017, there were 18 publications by 16 experts: Maxim Raginsky, Claudio Gentile, Gbor Lugosi, Robert E. Schapire, Santosh S. Vempala, Ankur Moitra, Karthik Sridharan, Adam R. Klivans, Satyen Kale, Nathan Srebro, Ilias Diakonikolas, Nicol Cesa-Bianchi, Alekh Agarwal, Alexander Rakhlin, Constantinos Daskalakis, Philip M. Long
In 2018, there were 19 publications by 17 experts: Maxim Raginsky, Claudio Gentile, Sbastien Bubeck, Santosh S. Vempala, Peter L. Bartlett, Satyen Kale, Mehryar Mohri, Karthik Sridharan, Adam R. Klivans, Adam Tauman Kalai, Raghu Meka, Nicol Cesa-Bianchi, Alekh Agarwal, Alexander Rakhlin, Suvrit Sra, Constantinos Daskalakis, Ilias Diakonikolas
In 2019, there were 24 publications by 15 experts: Maxim Raginsky, Csaba Szepesvri, Sbastien Bubeck, Shai Ben-David, Santosh S. Vempala, Peter L. Bartlett, Karthik Sridharan, Adam R. Klivans, Adam Tauman Kalai, Nathan Srebro, Ilias Diakonikolas, Nicol Cesa-Bianchi, Alekh Agarwal, Alexander Rakhlin, Constantinos Daskalakis

25 out of the 32 experts published at this conference in 1 or more years
20 out of the 32 experts published at this conference in 2 or more years
17 out of the 32 experts published at this conference in 3 or more years
7 out of the 32 experts published at this conference in 4 or more years
3 out of the 32 experts published at this conference in 5 or more years

Top People Report

Method of selection: The area of the conference is 'machine learning theory'. But unfortunately not many people (even theorists) use 'machine learning theory' or 'learning theory' as a Google Scholar label. It is a subfield of machine learning, but applied researchers usually have many more citations, so the top 20 of Google for researchers with lable machine learning contains no researchers in the machine learning theory subfield.
For this reason, we scanned the Top 400 of Google Researchers with label 'machine learning', considering only researchers that work in theory (this is defined as 'regularly publishing papers containing mathematical theorems') and the Top 20 of Google Researchers with label 'learning theory' and, among the researchers found, we listed the 20 with the highest h-index.

Keyword:

name	h-index	gscholar url
Michael Jordan	174	https://scholar.google.com/citations?user=yxUduqMAAAAJ&hl=
Bernhard Schoelkopf	153	https://scholar.google.com/citations?user=DZ-fHPgAAAAJ&hl=en
Rob Schapire	80	https://scholar.google.com/citations?user=39JcQcEAAAAJ&hl=en
Yoav Freund	52	https://scholar.google.com/citations?user=NFdG-GMAAAAJ&hl=en
Francis Bach	93	https://scholar.google.com/citations?user=6PJWcFEAAAAJ&hl=en
John Langford	67	https://scholar.google.com/citations?user=LFiqVpwAAAAJ&hl=en
Martin Wainwright	91	https://scholar.google.com/citations?user=J5Rvh6gAAAAJ&hl=en
Peter Bartlett	71	https://scholar.google.com/citations?user=yQNhFGUAAAAJ&hl=en
Peter Buhlmann	72	https://scholar.google.com/citations?user=3r-fWJwAAAAJ&hl=en
Avrim Blum	72	https://scholar.google.com/citations?user=Jlv4MR4AAAAJ&hl=en
Robert Nowak	80	https://scholar.google.com/citations?user=fn13u8IAAAAJ&hl=en
Massimiliano Pontil	72	https://scholar.google.com/citations?hl=en&user=lcOacs8AAAAJ
Nicolo Cesa-Bianchi	51	https://scholar.google.com/citations?hl=en&user=BWADJUkAAAAJ
Robert Williamson	51	https://scholar.google.com/citations?hl=en&user=G4MBruQAAAAJ
Shai Shalev-Shwartz	51	https://scholar.google.com/citations?hl=en&user=uYVc9koAAAAJ
Csaba Szepesvari	54	https://scholar.google.com/citations?hl=en&user=zvC19mQAAAAJ
Shie Mannor	63	https://scholar.google.com/citations?hl=en&user=q1HlbIUAAAAJ
Yishay Mansour	71	https://scholar.google.nl/citations?user=OEJUgwkAAAAJ&hl=en
Sham Kakade	70	https://scholar.google.com/citations?user=wb-DKCIAAAAJ&hl=en
Mehryar Mohri	69	https://scholar.google.com/citations?user=ktwwLjsAAAAJ&hl=en

Reference item: \\
2. Annual Conference Computational Learning Theory (COLT)

This conference was published at 49 times by 14 of 16 experts in the last 5 years.

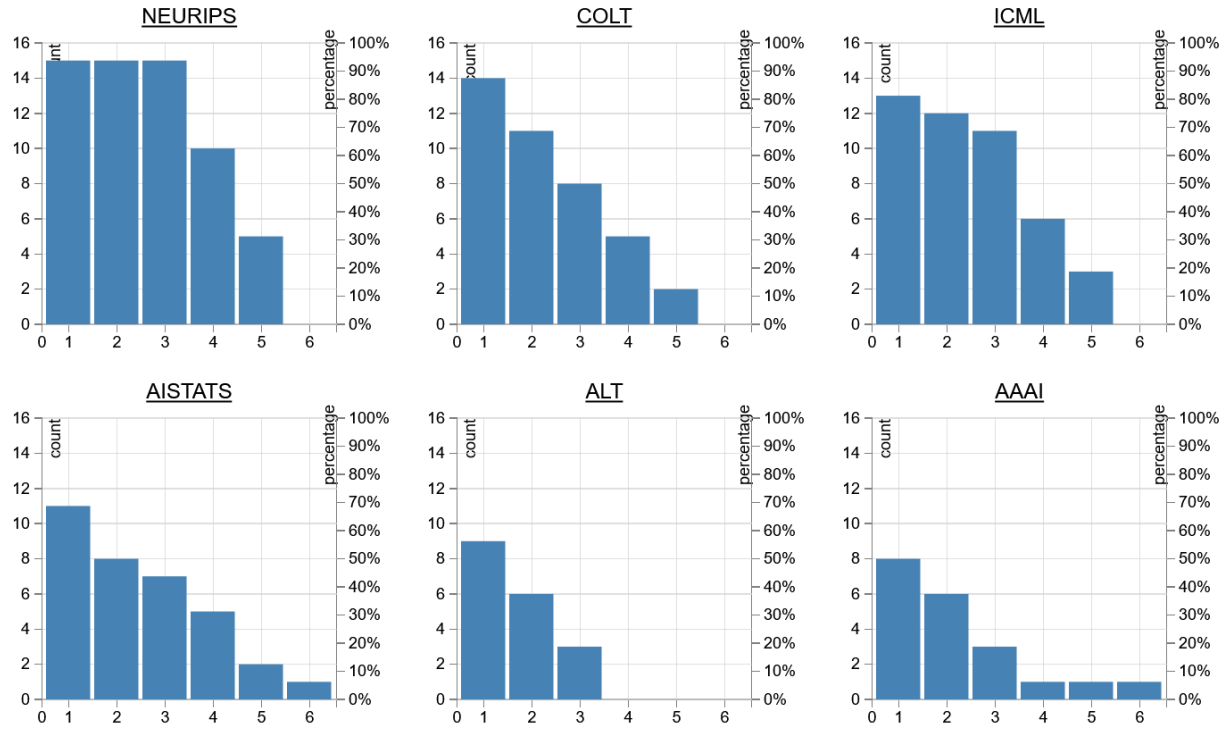
The experts that publish at this conference are: Robert D. Nowak(1), Sham M. Kakade(4), Robert E. Schapire(6), Shie Mannor(5), Yishay Mansour(8), Nicol Cesa-Bianchi(6), Mehryar Mohri(3), Csaba Szepesvri(2), Francis Bach(8), Yoav Freund(2), Avrim Blum(4), Massimiliano Pontil(2), Martin J. Wainwright(2), Shai Shalev-Shwartz(3)

In 2015, there were 12 publications by 10 experts: Robert D. Nowak, Shie Mannor, Robert E. Schapire, Yishay Mansour, Avrim Blum, Mehryar Mohri, Francis Bach, Yoav Freund, Nicol Cesa-Bianchi, Sham M. Kakade
In 2016, there were 8 publications by 8 experts: Francis Bach, Robert E. Schapire, Nicol Cesa-Bianchi, Yishay Mansour, Yoav Freund, Sham M. Kakade, Shai Shalev-Shwartz, Mehryar Mohri
In 2017, there were 10 publications by 7 experts: Francis Bach, Shie Mannor, Robert E. Schapire, Nicol Cesa-Bianchi, Yishay Mansour, Avrim Blum, Shai Shalev-Shwartz
In 2018, there were 11 publications by 9 experts: Nicol Cesa-Bianchi, Francis Bach, Sham M. Kakade, Shie Mannor, Avrim Blum, Massimiliano Pontil, Yishay Mansour, Martin J. Wainwright, Mehryar Mohri
In 2019, there were 8 publications by 6 experts: Csaba Szepesvri, Francis Bach, Sham M. Kakade, Nicol Cesa-Bianchi, Shie Mannor, Massimiliano Pontil

14 out of the 16 experts published at this conference in 1 or more years
11 out of the 16 experts published at this conference in 2 or more years
8 out of the 16 experts published at this conference in 3 or more years
5 out of the 16 experts published at this conference in 4 or more years
2 out of the 16 experts published at this conference in 5 or more years

WPP Report: http://portal.core.edu.au/core/media/conf_rank_report/higherrank1088_top_people_report.txt
Graphs: http://portal.core.edu.au/core/media/conf_rank_graphs/higherrank1088_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

Conference in Uncertainty in Artificial Intelligence

Explanation as to why conference is superior to comparator:
It is very difficult to compare COLT to any other Core A* conference, since the subject matter - machine learning theory - is unique among A* conferences. While still *quite* different, UAI is probably the closest A* conference since it is of comparable size and it does accept

theoretically inclined papers - this is the reason we chose it for comparison. We would rate COLT higher than **any **other conference in machine learning/AI for *highly theoretical (mathematical) papers in machine learning*. For example (although we realize we cannot prove this), rejected COLT papers often end up essentially unmodified as accepted for Neurips, which is the flagship conference of the whole field. UAI is seen as (slightly) inferior to Neurips so, by transitivity, we would rate COLT higher than UAI for COLT's core area, theory/mathematical papers. We do think the bar for such papers is higher at COLT than at UAI - reviewing is more thorough (although we realize again this cannot be proven/substantiated). For example, if one has a very strong theoretical paper about bandit learning one would rather submit to COLT than to UAI. On the other hand, the scope of UAI is broader - if one had a good paper about causal inference one would submit to UAI, not COLT (because it is beyond COLT's scope). The h5-index of UAI is lower than that of COLT but we are not sure that means anything substantial.
Link to comparator report:
http://portal.core.edu.au/core/media/conference_submission_2020/Data_Comparator_for_1088_474.pdf

Comparator

International Joint Conference on Artificial Intelligence

Explanation as to why conference is superior to comparator:
It is very difficult to compare COLT to any other Core A* conference, since the subject matter - machine learning theory - is unique among A* conferences. We would rate COLT higher than **any **other conference in machine learning/AI for *highly theoretical (mathematical) papers in machine learning*. For example (although we realize we cannot prove this), rejected COLT papers often end up essentially unmodified as accepted for Neurips, which is the flagship conference of the whole field. IJCAI is seen as somewhat inferior to Neurips for machine learning papers, so by transitivity we would rate COLT higher than IJCAI for COLT's core area, theory/mathematical papers. We do think the bar for such papers is substantially higher at COLT than at IJCAI - although we realize this cannot be proven/substantiated. For example, if one has a very strong theoretical paper about bandit learning one would much rather submit to COLT than to IJCAI. On the other hand, the scope of UAI is MUCH broader so comparison is hard. The h5-index of IJCAI is higher than that of COLT but given its much bigger size and its MUCH broader subject area/scope we are not sure that means anything substantial.
Link to comparator report:
http://portal.core.edu.au/core/media/conference_submission_2020/Data_Comparator_for_1088_502.pdf

Other Relvant Info

Other relevant information: - For the IJCAI comparator conference we took instead of 'senior programme committee' the list of 'area chairs' - we think this is comparable as to the quality/importance of researchers involved (Lin Padgham told us it was probably ok). Of course, if you want us to change this after all, let us know and we can do it (in January, I will be on holidays as of Dec 19th 2020 until Jan 3) - (UPDATE: the following remark is obsolete, Lin Padgham told me she already changed this after I submitted a first version) We do not understand why COLT has primary FoR 4602 (Artificial Intelligence). It would be better to have that as secondary FoR, and to have 4611 (Machine Learning) as primary FoR (still UAI (also 4602) is in the same general area as COLT, since in recent years it has also mostly focused on machine learning; and still IJCAI (4602) also has many papers on machine learning)

Attachments

N/A

Proposers

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