



Submission data for 2023 CORE conference ranking process
European Conference on Machine Learning and Principles and Practice of Knowledge Discovery in Database

Andrea Passerini, Grigorios Tsoumakas

Introductory Questions

Conference

Title: European Conference on Machine Learning and Principles and Practice of Knowledge Discovery in Database

Acronym : ECML PKDD

Rank: A

Requested Rank

Rank: A

Conference Details

Month: September

Publisher: Springer

Bi-annual: False

Multiconference: False

Component in a multi-conference or umbrella event: False

Colocated with other events: False

Alternative content: False

Proceedings Publishing Style

Proceedings Publishing: series

Link to most recent proceedings: <https://link.springer.com/conference/ecml>

Further details: The conference also features a journal track, with papers being collected in two special issues, one published in the Machine Learning Journal (core ranking: A) and the other one in the Data Mining and Knowledge Discovery Journal (core ranking: A). See e.g.

https://link.springer.com/journal/10994/topicalCollection/AC_55dcd9c0be16cbe704ad776956f7aafb/page/1

https://link.springer.com/journal/10618/topicalCollection/AC_13980d06adfa02e8775bc2918215db3d/page/1

Most Recent Years

Most Recent Year

Year: 2022

URL: <https://2022.ecmlpkdd.org/>

Location: Grenoble, France

Papers submitted: 692

Papers published: 189

Acceptance rate: 27

Source for numbers: <https://link.springer.com/content/pdf/bfm:978-3-031-26387-3/1?pdf=chapter%20toc>

General Chairs

Name: Massih-Reza Amini Affiliation: Université Grenoble Alpes Gender: M H Index: 32 G Scholar url: https://scholar.google.com/citations?user=TafVg4wAAAAJ&hl=en DBLP url: https://dblp.org/pid/99/666.html
Name: Stéphane Canu Affiliation: Normandie Université Gender: M H Index: 39 G Scholar url: https://scholar.google.com/citations?user=PpibCZUAAAAJ&hl=en DBLP url: https://dblp.uni-trier.de/pid/17/122.html

Program Chairs

Name: Asja Fischer Affiliation: Ruhr-Universität Bochum Gender: F H Index: 26 G Scholar url: https://scholar.google.dk/citations?user=FyZbyIUAAAAJ&hl=de DBLP url: https://dblp.org/pid/76/8485.html
Name: Petra Kralj Novak Affiliation: Central European University Gender: F H Index: 20 G Scholar url: https://scholar.google.com/citations?user=P5_RcIQAAAAJ DBLP url: https://dblp.org/pid/40/887.html
Name: Tias Guns Affiliation: KU Leuven Gender: M H Index: 22 G Scholar url: https://scholar.google.be/citations?user=hcjme5kAAAAJ&hl=en DBLP url: https://dblp.org/pid/41/3130.html
Name: Grigorios Tsoumakas Affiliation: Aristotle University of Thessaloniki Gender: M H Index: 50 G Scholar url: https://scholar.google.gr/citations?user=PlGKUhwAAAAJ DBLP url: https://dblp.org/pid/38/6253.html

Second Most Recent Year

Year: 2021
URL: <https://2021.ecmlpkdd.org/>
Location: Bilbao, Spain
Papers submitted: 685
Papers published: 146
Acceptance rate: 21
Source for numbers: <https://link.springer.com/content/pdf/bfm:978-3-030-86486-6/1?pdf=chapter%20toc>

General Chairs

Name: Jose Antonio Lozano Affiliation: Basque Center for Applied Mathematics Gender: M H Index: 54 G Scholar url: https://scholar.google.com/citations?user=lhzoWpwAAAAJ&hl=en DBLP url: https://dblp.org/pid/1/JoseAntonioLozano.html
--

Program Chairs

Name: Nuria Oliver Affiliation: Vodafone and Data-Pop Alliance Gender: F H Index: 69 G Scholar url: https://scholar.google.com/citations?user=VJlCMGYAAAAJ&hl=en DBLP url: https://dblp.org/pid/o/NuriaOliver.html
Name: Fernando Pérez-Cruz Affiliation: ETH Zürich Gender: M H Index: 38 G Scholar url: https://scholar.google.com/citations?user=8FfrHw0AAAAJ&hl=en DBLP url: https://dblp.org/pid/75/805.html
Name: Stefan Kramer Affiliation: Johannes Gutenberg Universität Mainz Gender: M H Index: 44 G Scholar url: https://scholar.google.com/citations?user=0QXx46sAAAAJ DBLP url: https://dblp.org/pid/k/StefanKramer1.html
Name: Jesse Read Affiliation: École Polytechnique Gender: M H Index: 35 G Scholar url: https://scholar.google.com/citations?user=4gNCRFAAAAAJ&hl=th DBLP url: https://dblp.org/pid/41/5377.html

Third Most Recent Year

Year: 2020

URL: <https://ecmlpkdd2020.net/>

Location: Ghent, Belgium

Papers submitted: 687

Papers published: 130

Acceptance rate: 19

Source for numbers: <https://link.springer.com/content/pdf/bfm:978-3-030-67658-2/1?pdf=chapter%20toc>

General Chairs

Name: Tijl De Bie Affiliation: Ghent University Gender: M H Index: 39 G Scholar url: https://scholar.google.com/citations?user=eH_c4R4AAAAJ&hl=en DBLP url: https://dblp.org/pid/49/2018.html

Program Chairs

Name: Frank Hutter Affiliation: University of Freiburg Gender: M H Index: 78 GScholar url: https://scholar.google.com/citations?user=YUrxwrkAAAAJ&hl=en DBLP url: https://dblp.org/pid/89/5383.html
Name: Isabel Valera Affiliation: Saarland University Gender: F H Index: 25 GScholar url: https://scholar.google.com/citations?user=cpdQqpsAAAAJ&hl=en DBLP url: https://dblp.org/pid/126/1768.html
Name: Jefrey Lijffijt Affiliation: Ghent University Gender: M H Index: 17 GScholar url: https://scholar.google.com/citations?user=cBSEeSMAAAAJ&hl=en DBLP url: https://dblp.org/pid/62/8320.html
Name: Kristian Kersting Affiliation: TU Darmstadt Gender: M H Index: 61 GScholar url: https://scholar.google.com/citations?user=QY-earAAAAAJ&hl=en DBLP url: https://dblp.org/pid/11/6149.html

Policies

Chair Selection: The ECMLPKDD community has a procedure for selecting the organizing committee and the location for the conference two years in advance. The procedure is detailed here, together with a guideline for proposals:

<https://ecmlpkdd.org/Main/Guidelines>

In the following I attach an excerpt discussing the requirements for selecting the chairs:

Scientific Merit Clearly, we expect the chair persons to have a good overview of current research in machine learning and in data mining. This should be evident from their publication history in these fields.

Balance The program chairs should contain members from both communities, machine learning and data mining. Typically this also implies that the chairs come from more than one group, but this is not required if the group is sufficiently broad. Gender balance is also appreciated by the scientific community. See the list of women in machine learning and data mining.

Community Recognition A chair person should be part not only of the machine learning or data mining communities at large, but of the ECML PKDD community in particular, so that the community can be reasonably sure that the person is familiar with the traditional lay-out of the conference. The chair persons should have regularly attended the conference in the past, and, ideally, published there before.

Previous active involvement (e.g., as a tutorial presenter or workshop organizer) is also a plus.

Policy name: ECMLPKDD code of conduct

Policy url: <https://ecmlpkdd.org/CodeOfConduct>

Program Committee

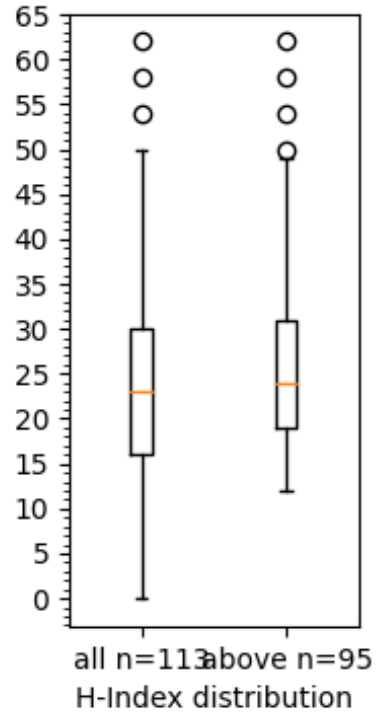
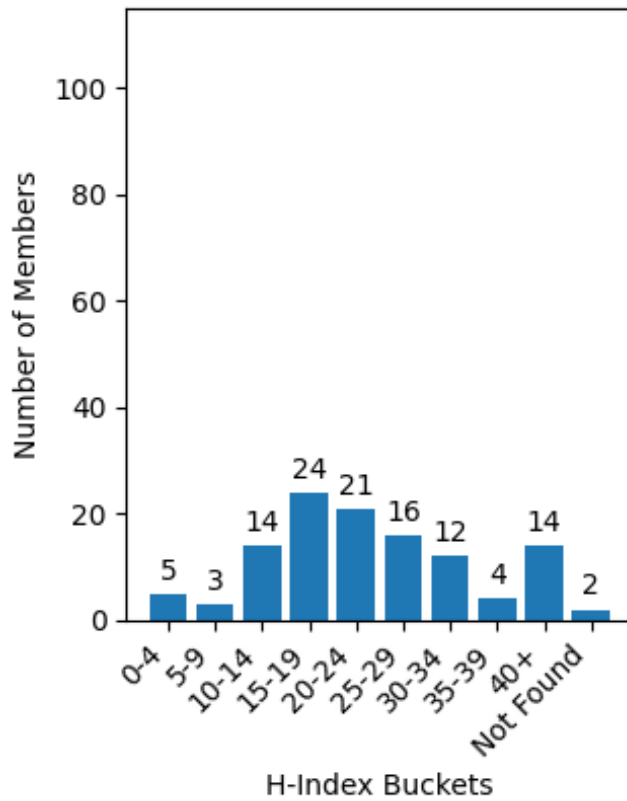
Link to pc: <https://2022.ecmlpkdd.org/programcommittee.html>

File: http://portal.core.edu.au/core/media/2023/pc_members/2022_AC_WRuWRSK.txt

H-index plot: http://portal.core.edu.au/core/media/2023/pc_graphs/higherrank_hindex_buckets_2056.png

Information contained within these graphs is derived using the Elsevier Scopus Database 2023.

Scopus h-index is generally about 30% lower than Google Scholar h-index.



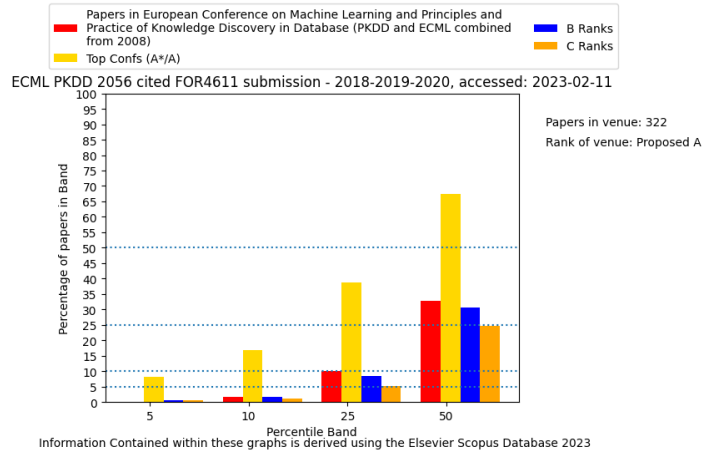
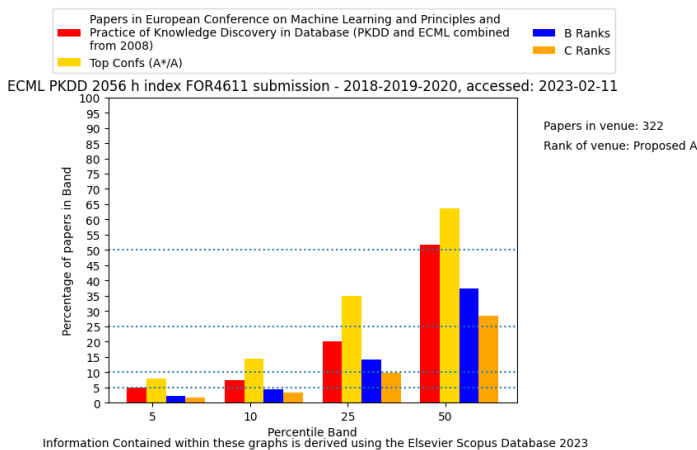
Publishing of established researchers in the PC

http://portal.core.edu.au/core/media/2023/conf_submissions_clean_spc/higherrank2056_spc_report.csv

WPP Report: http://portal.core.edu.au/core/media/2023/wpp_reports/0t7KoIHT.txt

Error: ecml not found in WPP report

Centile graphs of paper metrics



Top People Involvement

name: Frank Hutter

h-index: 78

Google Scholar URL: <https://scholar.google.com/citations?user=YUrxwrkAAAAJ&hl=en>

Justification: Three times ERC recipient <https://ml.informatik.uni-freiburg.de/profile/hutter/>

Paper counts:

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

Attendance: Almost always (>80% of the time)

name: Eyke Hüllermeier

h-index: 67

Google Scholar URL: <https://scholar.google.com/citations?user=usVJeNN3xFAC&hl=en>

Justification: President of the European Association for Data Science, <https://www.euads.org/abouteuads/>

Paper counts:

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

Attendance: Almost always (>80% of the time)

name: Jiawei Han

h-index: 196

Google Scholar URL: <https://scholar.google.com/citations?hl=en&user=Kv9AbjMAAAAJ>

Justification: The data mining researcher with the highest h-index according to google scholar.

[https://scholar.google.com/citations?view_op=search_authors&hl=en&mauthors=label:](https://scholar.google.com/citations?view_op=search_authors&hl=en&mauthors=label:data_mining&before_author=9InD_1jOAJ&astart=0)

[data_mining&before_author=9InD_1jOAJ&astart=0](https://scholar.google.com/citations?view_op=search_authors&hl=en&mauthors=label:data_mining&before_author=9InD_1jOAJ&astart=0)

Paper counts:

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

Attendance: Occasionally (< 20% of the time)

name: Stefan Wrobel

h-index: 44

Google Scholar URL: <https://scholar.google.com/citations?hl=en&user=7vZkXsEAAAAJ>

Justification: Elected founding member of the "International Machine Learning Society". He was honored by the Gesellschaft für Informatik as one of the formative minds in German AI history.

<https://www.iais.fraunhofer.de/en/institute/about-us/institute-management/stefan-wrobel.html>

Paper counts:

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

Attendance: Almost always (>80% of the time)

name: Leman Akoglu

h-index: 47

Google Scholar URL: https://scholar.google.com/citations?user=4ITkr_kAAAAJ

Justification: Recipient of the SDM/IBM Early Career Data Mining Research award (2020), National Science Foundation CAREER award (2015) and US Army Research Office Young Investigator award (2013) <https://www.andrew.cmu.edu/user/lakoglu/bio.html>

Paper counts:

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

Attendance: Often (50-80% of the time)

name: Dino Pedreschi

h-index: 63

Google Scholar URL: <https://scholar.google.com/citations?user=5efz6osAAAAJ&hl=en>

Justification: Pioneering scientist in mobility data mining, social network mining and privacy-preserving data mining and co-leader of the KDD Lab (a joint research initiative of the University of Pisa and the Information Science and Technology Institute of the Italian National Research Council), one of the earliest research labs worldwide centered on data mining.

<https://kdd.isti.cnr.it/people/pedreschi-dino>

Paper counts:

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

Attendance: Almost always (>80% of the time)

name: Patrick Gallinari

h-index: 53

Google Scholar URL: <https://scholar.google.com/citations?hl=en&user=rFaxB20AAAAJ>

Justification: One of the pioneers of machine learning research in France and Europe.

Paper counts:

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

Attendance: Often (50-80% of the time)

name: Johannes Fürnkranz

h-index: 49

Google Scholar URL: <https://scholar.google.com/citations?hl=en&user=sfTn4wEAAAAJ>

Justification: Editor in chief of the Data Mining and Knowledge Discovery Journal

Paper counts:

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

Attendance: Almost always (>80% of the time)

name: Hendrik Blockeel

h-index: 42

Google Scholar URL: <https://scholar.google.com/citations?hl=en&user=Eq5sUNpp0gwC>

Justification: Editor in chief of the Machine Learning Journal

Paper counts:

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

Attendance: Almost always (>80% of the time)

name: Mykola Pechenizkiy

h-index: 46

Google Scholar URL: https://scholar.google.com/citations?hl=en&user=F0uFT_kAAAAJ

Justification: Mykola Pechenizkiy won several awards, including recent IEEE ICDE 2023 Best Demo Award, IDA 2023 Runner-up Frontier Prize, IEEE DSAA 2022 Best Paper Award, LoG 2022 Best Paper Award, ALA 2022 Best Paper Award, and EDM 2009-2018 Test of Time Award.

Paper counts:

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

Attendance: Almost always (>80% of the time)

Area Leaders publishing

Method of selection: https://scholar.google.com/citations?view_op=search_authors&mauthors=label:data_mining

	name	h-index	gscholar url
Keyword: data mining	Trevor Hastie	145	https://scholar.google.com/citations?hl=en&user=tQVe-fAAAAAJ
	Jiawei Han	196	https://scholar.google.com/citations?hl=en&user=Kv9AbjMAAAAAJ
	Philip S. Yu	184	https://scholar.google.com/citations?hl=en&user=D0LL1r0AAAAAJ
	Sergey Senkin	180	https://scholar.google.com/citations?hl=en&user=UdqIdckAAAAAJ
	Rakesh Agrawal	107	https://scholar.google.com/citations?hl=en&user=4XSG7v4AAAAAJ
	Jure Leskovec	134	https://scholar.google.com/citations?hl=en&user=Q_kKkIUAAAAAJ
	Vipin Kumar	135	https://scholar.google.com/citations?hl=en&user=BnxU9TEAAAAAJ
	Francisco Herrera	171	https://scholar.google.com/citations?hl=en&user=HULIk-QAAAAAJ
	Ian H. Witten	85	https://scholar.google.com/citations?hl=en&user=BSFdGw0AAAAAJ
	Jeffrey Ullman	112	https://scholar.google.com/citations?hl=en&user=wUJ2bXgAAAAAJ
	Jian Pei	103	https://scholar.google.com/citations?hl=en&user=zIMEVKsAAAAAJ
	Jon Kleinberg	120	https://scholar.google.com/citations?hl=en&user=VX7d5EQAAAAAJ
	Sobayer Abedin Amit	11	https://scholar.google.com/citations?hl=en&user=o4JzRq4AAAAAJ
	Chih-Jen Lin	69	https://scholar.google.com/citations?hl=en&user=SLMkts8AAAAAJ
	Christos Faloutsos	147	https://scholar.google.com/citations?hl=en&user=nd8lQQIAAAAAAJ
	Wei Wang	148	https://scholar.google.com/citations?hl=en&user=UedS9LQAAAAAJ
	Eibe Frank	71	https://scholar.google.com/citations?hl=en&user=dUV_NvIAAAAAAJ
	Peter Rousseeuw	84	https://scholar.google.com/citations?hl=en&user=5LMM6rsAAAAAJ
	Hans-Peter Kriegel	103	https://scholar.google.com/citations?hl=en&user=DBf9LC4AAAAAJ
	George Karypis	111	https://scholar.google.com/citations?hl=en&user=ElqwScwAAAAAJ

WPP Report: http://portal.core.edu.au/core/media/2023/wpp_reports/j4hIG19d.txt

Error: ecml not found in WPP report

Additional Data

Google Scholar Data

Sub-category url: https://scholar.google.com.au/citations?view_op=top_venues&hl=en&vq=eng_datamininganalysis

Position in sub-category: 11

h5 index of 20th item in category: 29

h5 index for this conference: 40

Relationship to similar conferences

Partial ordering of similar conferences in the area, with argument as to where the current venue fits and why:

ECMLPKDD is a conference covering both the machine learning and the data mining communities that is always organized in Europe. As far as the machine learning community is concerned, we identify the following representative conferences:

- NeurIPS (A*) is considered the best machine learning conference. It is focusing mainly on neural networks and deep learning. It is an international conference. NeurIPS is considered stronger than ECMLPKDD.
- ICML (A*) is another top international machine learning conference. It is open to all subareas of machine learning. It is an international conference. ICML is considered stronger than ECMLPKDD.
- IJCNN (B) is an international venue focused on all aspects of neural networks. IJCNN is considered weaker than ECMLPKDD in terms of breadth, visibility and quality of the works being presented there, with an acceptance rate over 60% (ECMLPKDD has an acceptance rate ranging between 19% and 27%).
- ESANN (B) is a European venue focused on artificial neural networks and machine learning in general. ESANN is considered weaker than ECMLPKDD in terms of breadth, visibility and quality of the works being presented there. It is a conference typically taking place each year at the same place, Bruges, Belgium. The acceptance rate of ESANN is not mentioned in the proceedings.

As far as the data mining community is concerned, we identify the following representative conferences:

- KDD (A*) is considered the best data mining conference. It covers all aspects of data mining, but recently it has blended with machine learning, including deep learning papers. It is an international conference. The quality of the works that appear in KDD and their visibility are typically considered higher than that of those presented at ECMLPKDD.
 - ICDM (A*) is another top international data mining conference, open to all subareas of data mining. It is an international conference. The quality of the works that appear in ICDM and their visibility are typically considered higher than those presented at ECMLPKDD.
 - SDM (A) is another high-quality international data mining conference with a US locality. It is open to all subareas of data mining. The quality of the works that appear in SDM and their visibility are typically considered similar to those presented at ECMLPKDD. SDM appears at the 14th position of the top 20 venues of google scholar in the data mining and analysis category, while ECMLPKDD is in the 11th position.
 - DSAA (A) is another high-quality international conference related strongly to the data mining community. The quality of the works that appear in DSAA and their visibility are typically considered weaker than those presented at ECMLPKDD. However, DSAA does not appear in the top 20 venues of google scholar in the data mining and analysis category (its h5-index was 23 in the latest CORE evaluation), despite being indexed there, while ECMLPKDD is in the 11th position.
 - PAKDD (A) is a high quality conference on data mining. It has an Asian locality, so it could be considered as a suitable comparator in terms of locality, as ECMLPKDD is also focused on a single continent (Europe). The quality of works that appear in PAKDD and their visibility are typically considered worse than those presented at ECMLPKDD. PAKDD appears at the 20th position of the top 20 venues of google scholar in the data mining and analysis category, while ECMLPKDD is in the 11th position.
 - IDA (B) is a medium quality conference on data mining. It was ranked A until the latest evaluation when it was downgraded to B. IDA does not appear in the top 20 venues of google scholar in the data mining and analysis category (its h5-index is 14), despite being indexed there, while ECMLPKDD is in the 11th position. Its acceptance rate is around 40-45%.
- Finally, ECAI (A) is the ECMLPKDD equivalent for Artificial Intelligence. In the last CORE evaluation, the conference was unanimously evaluated as worth retaining the A ranking for its prestige. ECMLPKDD has higher ratings with respect to ECAI (h5-index 40 vs 18, but ECAI was biennial until 2022).

Other Information

Attachments

http://portal.core.edu.au/core/media/2023/request_attachment/F-_Free_form_data_ECMLPKDD.pdf

Proposers

First name: Andrea
Last name: Passerini
Affiliation: University of Trento
Email: andrea.passerini@unitn.it

First name: Grigorios
Last name: Tsoumakas
Affiliation: Aristotle University of Thessaloniki
Email: greg@csd.auth.gr

Submitted By

Name: Passerini Andrea
Email: andrea.passerini@unitn.it