



**Submission data for 2023 CORE conference ranking process
Discovery Science**

Michelangelo Ceci, Roberto Corizzo, Saso Dzeroski

Introductory Questions

Conference

Title: Discovery Science
Acronym : DS
Rank: Unranked

Requested Rank

Rank: A

Conference Details

Month: October
Publisher: Springer
Bi-annual: False
Multiconference: False
Component in a multi-conference or umbrella event: False
Colocated with other events: False
Alternative content: True
Alternative content description: short papers

Proceedings Publishing Style

Proceedings Publishing: series
Link to most recent proceedings: <https://link.springer.com/book/10.1007/978-3-031-18840-4>
Further details:

Most Recent Years

Most Recent Year

Year: 2022
URL: <https://ds2022.sciencesconf.org/>
Location: Montpellier, France
Papers submitted: 59
Papers published: 27
Acceptance rate: 46
Source for numbers: <https://link.springer.com/book/10.1007/978-3-031-18840-4#about-this-book>

General Chairs

Name: Saso Dzeroski Affiliation: Jozef Stefan Institute, Ljubljana, Slovenia Gender: M H Index: 72 GScholar url: https://scholar.google.com/citations?user=_aIV-aEAAAJ&hl=it DBLP url: https://dblp.org/pid/d/SasoDzeroski.html

Program Chairs

Name: Pascal Poncelet Affiliation: LIRMM, University of Montpellier, France Gender: M H Index: 33 GScholar url: https://scholar.google.com/citations?user=HSZYSwsAAAAJ&hl=en DBLP url: https://dblp.org/pid/68/525.html
Name: Dino Ienco Affiliation: INRAE, Montpellier, France Gender: M H Index: 27 GScholar url: https://scholar.google.it/citations?user=C8zfH3kAAAAJ&hl=it DBLP url: https://dblp.org/pid/91/6423.html

Second Most Recent Year

Year: 2021

URL: <https://ds2021.cs.dal.ca/>

Location: Halifax, NS, Canada

Papers submitted: 76

Papers published: 36

Acceptance rate: 47

Source for numbers: <https://link.springer.com/book/10.1007/978-3-030-88942-5#about-this-book>

General Chairs

No General Chairs

Program Chairs

Name: Carlos Soares Affiliation: University of Porto, Portugal Gender: M H Index: 34 GScholar url: https://scholar.google.com/citations?user=Lw7ojGsAAAAJ&hl=en DBLP url: https://dblp.org/pid/50/4846.html
Name: Luis Torgo Affiliation: Dalhousie University, Canada Gender: M H Index: 36 GScholar url: https://scholar.google.com/citations?user=2vyIvbsAAAAJ&hl=en DBLP url: https://dblp.org/pid/60/1153.html

Third Most Recent Year

Year: 2020

URL: <https://ds2020.csd.auth.gr/>

Location: online

Papers submitted: 76

Papers published: 29

Acceptance rate: 38

Source for numbers: <https://link.springer.com/book/10.1007/978-3-030-61527-7>

General Chairs

Name: Yannis Manolopoulos Affiliation: Open University of Cyprus, Cyprus Gender: M H Index: 60 GScholar url: https://scholar.google.com/citations?user=2aX1MOAAAAJ&hl=en DBLP url: https://dblp.org/pid/m/YManolopoulos.html
Name: Stan Matwin Affiliation: Dalhousie University, Canada Gender: M H Index: 54 GScholar url: https://scholar.google.com/citations?user=rCoJeuYAAAAJ&hl=en DBLP url: https://dblp.org/pid/m/StanMatwin.html

Program Chairs

Name: Annalisa Appice Affiliation: University of Bari Aldo Moro, Italy Gender: F H Index: 30 GScholar url: https://scholar.google.ca/citations?user=wkeu9oZX8-EC&hl=en DBLP url: https://dblp.org/pid/63/5512.html
Name: Grigorios Tsoumakas Affiliation: Aristotle University of Thessaloniki, Greece Gender: M H Index: 50 GScholar url: https://scholar.google.com/citations?user=PlGKUhwAAAAJ&hl=en DBLP url: https://dblp.org/pid/38/6253.html

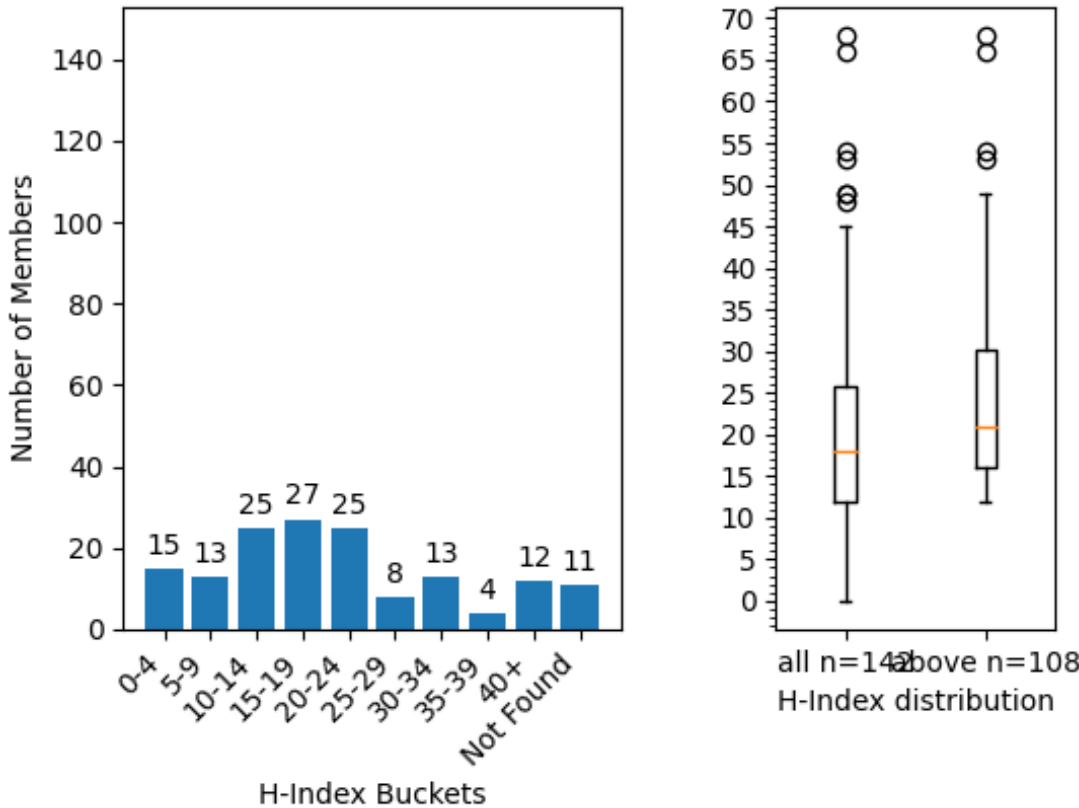
Policies

Chair Selection: Proposals for the next conference editions are solicited and submitted to the Steering committee two years before the event.
 The Steering committee among the submitted proposals. Criteria are: qualification of the chairs (both scientific and organizational), facilities of the venue, proposed budget.
 No Policies.

Program Committee

Link to pc: <https://ds2022.sciencesconf.org/resource/page/id/11>
 File: http://portal.core.edu.au/core/media/2023/pc_members/pc_cp3boYZ.txt
 H-index plot: http://portal.core.edu.au/core/media/2023/pc_graphs/higherrank_hindex_buckets_2029.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/higherrank2029_spc_report.csv
WPP Report: http://portal.core.edu.au/core/media/2023/wpp_reports/dmRbJ0Sz.txt

2. International Conference on Discovery Science (DS)

Core Rank: Unranked

This venue was published at 71 times by 30 of 87 individuals in the last 5+ years.

The individuals that publish at this venue are: Eyke Hullermeier(6), Johannes Furnkranz(5), Panagiotis Papapetrou(5), Carlos Soares(4), Hendrik Blockeel(4), Jaakko Hollmen(4), Martin Atzmueller(4), Michelangelo Ceci(4), Nada Lavrac(4), Siegfried Nijssen(4), Anna Monreale(3), Dragi Kocev(3), Larisa N. Soldatova(3), Andrea Tagarelli(2), Annalisa Appice(2), Colin Bellinger(2), Dino Pedreschi(2), Donato Malerba(2), Myra Spiliopoulou(2), Ruggero G. Pensa(2), Bartosz Krawczyk(1), Bernhard Pfahringer(1), Dino Ienco(1), Gianluca Bontempi(1), Kai Puolamaki(1), Marko Robnik-Sikonja(1), Matteo Zignani(1), Mohamed Medhat Gaber(1), Mykola Pechenizkiy(1), Sabrina Gaito(1)

In 2018, there were 10 publications by 11 individuals: Bartosz Krawczyk, Carlos Soares, Dragi Kocev, Eyke Hullermeier, Hendrik Blockeel, Johannes Furnkranz, Marko Robnik-Sikonja, Martin Atzmueller, Mohamed Medhat Gaber, Nada Lavrac, Siegfried Nijssen

In 2019, there were 21 publications by 17 individuals: Andrea Tagarelli, Carlos Soares, Colin Bellinger, Dino Ienco, Dragi Kocev, Eyke Hullermeier, Jaakko Hollmen, Johannes Furnkranz, Kai Puolamaki, Larisa N. Soldatova, Martin Atzmueller, Michelangelo Ceci, Mykola Pechenizkiy, Nada Lavrac, Panagiotis Papapetrou, Ruggero G. Pensa, Siegfried Nijssen

In 2020, there were 12 publications by 10 individuals: Anna Monreale, Eyke Hullermeier, Hendrik Blockeel, Jaakko Hollmen, Johannes Furnkranz, Larisa N. Soldatova, Michelangelo Ceci, Myra Spiliopoulou, Nada Lavrac, Siegfried Nijssen

In 2021, there were 15 publications by 12 individuals: Anna Monreale, Annalisa Appice, Colin Bellinger, Donato Malerba, Eyke Hullermeier, Gianluca Bontempi, Hendrik Blockeel, Johannes Furnkranz, Martin Atzmueller, Michelangelo Ceci, Nada Lavrac, Panagiotis Papapetrou

In 2022, there were 13 publications by 12 individuals: Andrea Tagarelli, Bernhard Pfahringer, Dino Pedreschi, Jaakko Hollmen, Johannes Furnkranz, Martin Atzmueller, Matteo Zignani, Michelangelo Ceci, Myra Spiliopoulou, Panagiotis Papapetrou, Sabrina Gaito, Siegfried Nijssen

30 out of the 87 individuals published at this venue in 1 or more years

16 out of the 87 individuals published at this venue in 2 or more years

9 out of the 87 individuals published at this venue in 3 or more years

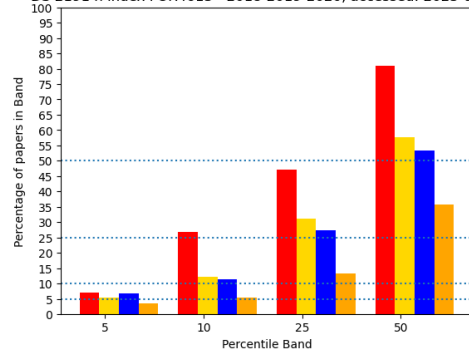
6 out of the 87 individuals published at this venue in 4 or more years

1 out of the 87 individuals published at this venue in 5 or more years

Centile graphs of paper metrics

■ Papers in Discovery Science ■ B Ranks
■ Top Confs (A*/A) ■ C Ranks

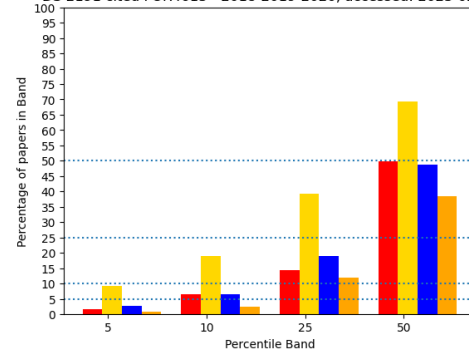
DS 2191 h index FOR4613 - 2018-2019-2020, accessed: 2023-02-11



Papers in venue: 115
Rank of venue: Unranked
Most recent ranking: CORE2018

■ Papers in Discovery Science ■ B Ranks
■ Top Confs (A*/A) ■ C Ranks

DS 2191 cited FOR4613 - 2018-2019-2020, accessed: 2023-02-11



Papers in venue: 115
Rank of venue: Unranked
Most recent ranking: CORE2018

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

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

Top People Involvement

name: Saso Dzeroski

h-index: 72

Google Scholar URL: https://scholar.google.com/citations?user=_aIV-aEAAAJ&hl=it

Justification: Organizing ECMLPKDD 2017, Skopje

Member of the Editorial Board:

Journal of Intelligent Information Systems Editorial board member since 2014.

Ecological Modelling Editorial board member since 2007.

ACM Transactions on Knowledge Discovery in Data Editorial board member since 2005.

Ecological Informatics Editorial board member since 2004.

Journal of Artificial Intelligence Research Editorial board member 2002-2005.

Machine Learning Editorial board member since 2002.

Journal of Machine Learning Research Editorial board member since 2000.

Data Mining and Knowledge Discovery Editorial board member since 1997

Paper counts:

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

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

name: Joao Gama

h-index: 70

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

Justification: Program Chair DSAA 2017; EPIA 2017 Organizing DSAA 2021, Porto Organizing ECMLPKDD 2015, Porto

Member of the Editorial Board: Machine Learning Journal, Data Mining and Knowledge Discovery, Intelligent Data Analysis and New Generation Computing, Progress in Artificial Intelligence, Knowledge and Information Systems, IEEE Transactions on Knowledge and Data Engineering

Paper counts:

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

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

name: Johannes Fürnkranz

h-index: 49

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

Justification: Editor in Chief DMKD (<https://www.springer.com/journal/10618>)

Long-time Action Editor and Outstanding Editor for Machine Learning journal Co-chair of ICML (Haifa, Israel), 2010 Co-chair of

ECMLPKDD Berlin, 2006 Area Chair ICML (11, 09, 08, 05, 04) Vice Chair ICDM (13, 10, 04) Area Chair PAKDD (08) Area Chair ECAI (14, 12, 06)

Paper counts:

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

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

name: Hendrik Blockeel

h-index: 42

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

Justification: Editor in Chief MLJ (<https://www.springer.com/journal/10994>)

PC chair ECMLPKDD 2013

Vice program chair ICDM 2012

Area chair ECML/PKDD (2006, 2007, 2009, 2011, 2012, 2014), ICML 2010, ECAI 2010

Member of the Editorial Board:

Applied Artificial Intelligence Intelligent Data Analysis New Generation Computing (area editor)

Paper counts:

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

Attendance: Sometimes (20-50% of the time)

name: Albert Bifet

h-index: 51

Google Scholar URL: <https://scholar.google.de/citations?hl=de&user=UYvAL8EAAAAJ>

Justification: Action Editor MACHINE LEARNING (2021-)

Action Editor Data Mining and Knowledge Discovery (2018-)

Co-chair ACM SAC Data Streams Track 2022, 2021, 2020, 2019, 2018, 2017, 2016, 2015, 2014, 2013, 2012

Associate Editor of IEEE Transactions on Big Data (IEEE TDB) (2015-2017).

Associate Editor of Neurocomputing Journal (2016-2017).

Paper counts:

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

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

name: Nada Lavrac

h-index: 54

Google Scholar URL: <https://scholar.google.si/citations?user=vAZ1t84AAAAJ&hl=en>

Justification: Organized ECMLPKDD 2003.

Member of the Editorial Board: Artificial Intelligence in Medicine (former member) Machine Learning Journal AI Communications New Generation Computing Applied Artificial Intelligence,

Paper counts:

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

Attendance: Sometimes (20-50% of the time)

name: Nathalie Japkowicz

h-index: 39

Google Scholar URL: <https://scholar.google.be/citations?hl=nl&user=U884avUAAAAJ>

Justification: Member of the Editorial Board: Machine Learning Journal Data Mining and Knowledge Discovery

Involvement in the Canadian Artificial Intelligence Association (CAIAC): Distinguished Service Award (2021) President (2013-2015) Vice president (2009-2014)

Paper counts:

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

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

name: Eyke Hüllermeier

h-index: 67

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

Justification: President of the European Association for Data Science (EuADS)

Member of the Editorial Board: Journal of Machine Learning Research, Machine Learning (action editor) Data Mining and Knowledge Discovery IEEE Computational Intelligence Magazine Artificial Intelligence Review International Journal of Approximate Reasoning Advances in Data Analysis and Classification

Area Chair: ECML/PKDD-2015, Porto, September 7-11, 2015. ECML/PKDD-2013, Prague, September 23-27, 2013.

ECML/PKDD-2012, Bristol, UK, September 24-28, 2012. AAI-2013, Bellevue, Washington, USA, July 14-18, 2013. AAI-2012, Toronto, Canada, July 22-26, 2012. ICML-2010, Haifa, Israel, 2010.

Paper counts:

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

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

name: Dino Pedreschi

h-index: 64

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

Justification: Member of the Editorial Board: Knowledge and Information Systems (Springer)

Co-Chair: ECML/PKDD 2004 ICDM 2005 ICDE 2014

Paper counts:

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

Attendance: Sometimes (20-50% of the time)

name: Hiroshi Motoda

h-index: 47

Google Scholar URL: <https://scholar.google.si/citations?hl=en&user=pmq9ejIAAAAAJ>

Justification: Editorial Board Member: International Journal of Data Science and Analytics (Springer) (04/2015 - 07/2022) ACM

Transactions on Intelligent Systems and Technology (ACM TIST) (10/2009 - 03/2012) - in the Advisory Board Knowledge and Information Systems (Springer) (01/1998 - 12/2005)

Chair: Pacific-Asia Conference on Knowledge Discovery and Data Mining: PAKDD (2003-2007, 2009, 2013, 2014) Discovery Science Conference, Chair (2002-2006)

Co-Chair: Pacific-Asia Conference on Knowledge Discovery Data Mining: PAKDD (1997, 2001-2003, 2015, 2019) IEEE International Conference on Data Science and Advanced Analytics: DSAA (2014, 2017)

Steering Committee: Discovery Science Conference (11/2006 - Present) International Conference on Data Science and Advanced Analytics (12/2013 - Present) Algorithmic Learning Theory Conference (11/2002 - 10/2006) Pacific-Asia Conference on Knowledge Discovery & Data Mining (04/1998 - 04/2001, 05/2006 - Present)

Paper counts:

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

Attendance: Sometimes (20-50% of the time)

Area Leaders publishing

Method of selection: https://scholar.google.com/citations?hl=en&view_op=search_authors&mauthors=label%3Adata_mining+OR+label%3Adata_science+OR+label%3Amachine_learning

Keyword: data science, data science, machine learning

name	h-index	gscholar url
Peter Flach	68	https://scholar.google.com/citations?user=o9ggd4
Pedro Domingos	87	https://scholar.google.com/citations?hl=it&user=
André Carlos Ponce de Leon Ferreira de Carvalho	62	https://scholar.google.com/citations?hl=it&user=
Nitesh V Chawla	75	https://scholar.google.com/citations?hl=it&user=
Jure Leskovec	134	https://scholar.google.com/citations?user=Q_kKkL
George Karypis	111	https://scholar.google.com/citations?hl=en&user=ElqwScwAAAAJ&view=
Dino Pedreschi	64	https://scholar.google.be/citations?hl=nl&user=
Hiroshi Motoda	47	https://scholar.google.si/citations?hl=en&user=
Eyke Hüllermeier	67	https://scholar.google.si/citations?hl=en&user=
Joao Gama	70	https://scholar.google.com/citations?user=jjoTZf
Osmar R. Zaiane	68	https://scholar.google.com/citations?hl=it&user=
Donato Malerba	45	https://scholar.google.com/citations?hl=it&user=
Myra Spiliopoulou	44	https://scholar.google.com/citations?user=3r6LmC
Bartosz Krawczyk	38	https://scholar.google.com/citations?view_op=list_works&hl=it&hl=it&user=
Jerzy Stefanowski	49	https://scholar.google.com/citations?user=id96Gv
Saso Dzeroski	72	https://scholar.google.com/citations?hl=it&user=
Michal Wozniak	38	https://scholar.google.com/citations?user=xja9IU
Nada Lavrac	54	https://scholar.google.si/citations?user=vAZ1t8
Albert Bifet	51	https://scholar.google.de/citations?hl=de&user=
Bernhard Pfahringer	57	https://scholar.google.com/citations?hl=it&user=

WPP Report: http://portal.core.edu.au/core/media/2023/wpp_reports/JAFD0bg3.txt

2. International Conference on Discovery Science (DS)

Core Rank: Unranked

This venue was published at 36 times by 11 of 19 individuals in the last 5+ years.

The individuals that publish at this venue are: Saso Dzeroski(11), Eyke Hullermeier(6), Albert Bifet(4), Nada Lavrac(4), André Carlos Ponce de Leon Ferreira de Carvalho(2), Dino Pedreschi(2), Donato Malerba(2), Hiroshi Motoda(2), Myra Spiliopoulou(2), Bartosz Krawczyk(1), Bernhard Pfahringer(1)

In 2018, there were 6 publications by 5 individuals: André Carlos Ponce de Leon Ferreira de Carvalho, Bartosz Krawczyk, Eyke Hullermeier, Nada Lavrac, Saso Dzeroski

In 2019, there were 8 publications by 5 individuals: André Carlos Ponce de Leon Ferreira de Carvalho, Eyke Hullermeier, Hiroshi Motoda, Nada Lavrac, Saso Dzeroski

In 2020, there were 11 publications by 6 individuals: Albert Bifet, Eyke Hullermeier, Hiroshi Motoda, Myra Spiliopoulou, Nada Lavrac, Saso Dzeroski

In 2021, there were 6 publications by 5 individuals: Albert Bifet, Donato Malerba, Eyke Hullermeier, Nada Lavrac, Saso Dzeroski

In 2022, there were 5 publications by 5 individuals: Albert Bifet, Bernhard Pfahringer, Dino Pedreschi, Myra Spiliopoulou, Saso Dzeroski

11 out of the 19 individuals published at this venue in 1 or more years

7 out of the 19 individuals published at this venue in 2 or more years

4 out of the 19 individuals published at this venue in 3 or more years

3 out of the 19 individuals published at this venue in 4 or more years

1 out of the 19 individuals published at this venue in 5 or more years

Additional Data

Google Scholar Data

Sub-category url: https://scholar.google.com/citations?hl=en&view_op=list_hcore&venue=ZQwMTHidZ28J.2022

Position in sub-category: 20+

h5 index of 20th item in category: 29

h5 index for this conference: 12

Relationship to similar conferences

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

In the following, we report the Research.com statistics about Discovery Science and other conferences that publish papers on similar topics, ordered by the corresponding Research Impact Score:

Discovery Science Research Impact Score: 1.10 Contributing Best Scientists: 23 Papers published by Best Scientists: 39 Research Ranking (Computer Science): 678 Research Ranking (Machine Learning & AI): 154

International Conference on Inductive Logic Programming CORE: B Research Impact Score: 1.10 Contributing Best Scientists: 11
H5-index: 15 Research Ranking (Computer Science): 718 Research Ranking (Machine Learning & AI): NA
Intelligent Data Analysis (IDA): CORE: B Research Impact Score: 1.10 Contributing Best Scientists: 17 Papers published by Best
Scientists 33 Research Ranking (Computer Science): 689 Research Ranking (Machine Learning & AI): 158
IEEE INTERNATIONAL CONFERENCE ON DATA SCIENCE AND ADVANCED ANALYTICS (DSAA) CORE: A Research Impact Score:
2.30 Contributing Best Scientists: 57 Papers published by Best Scientists: 62 Research Ranking (Computer Science): 283 Research
Ranking (Machine Learning & AI): NA
INTERNATIONAL CONFERENCE ON COMPUTATIONAL SCIENCE (ICCS) CORE: A Research Impact Score: 2.00 Contributing Best
Scientists: 51 Papers published by Best Scientists: 68 Research Ranking (Computer Science): 340 Research Ranking (Machine
Learning & AI): NA
European Conference on Artificial Intelligence (ECAI) CORE: A Research Impact Score: 2.10 Contributing Best Scientists: 48 Papers
published by Best Scientists 41 Research Ranking (Computer Science): 326 Research Ranking (Machine Learning & AI): 83
Pacific-Asia Conference on Knowledge Discovery and Data Mining (PAKDD) CORE: A Research Impact Score: 3.40 Contributing Best
Scientists: 129 Papers published by Best Scientists: 165 Research Ranking (Computer Science): 163 Research Ranking (Machine
Learning & AI): 55
SIAM International Conference on Data Mining (SDM) CORE: A Research Impact Score: 4.10 Contributing Best Scientists: 124 Papers
published by Best Scientists: 155 Research Ranking (Computer Science): 118 Research Ranking (Machine Learning & AI): 45
European Conference on Machine Learning and Principles and Practice of Knowledge Discovery in Databases (ECML) CORE: A
Research Impact Score: 4.80 Contributing Best Scientists: 173 Papers published by Best Scientists: 203 Research Ranking (Computer
Science): 95 Research Ranking (Machine Learning & AI): 37

Other Information

Other Relevant Info

Other relevant information: We apply for A, but B is also in line with our expectations.

Attachments

N/A

Proposers

First name: Michelangelo
Last name: Ceci
Affiliation: University of Bari Aldo Moro, Italy
Email: michelangelo.ceci@uniba.it

First name: Roberto
Last name: Corizzo
Affiliation: American University, U.S.
Email: rcorizzo@american.edu

First name: Saso
Last name: Dzeroski
Affiliation: Jozef Stefan Institute, Slovenia
Email: saso.dzeroski@ijs.si

Submitted By

Name: Ceci Michelangelo
Email: ceci@di.uniba.it