



**Submission data for 2023 CORE conference ranking process
International Conference on Automated Planning and Scheduling**

Erez Karpas, Gabriele Röger

Introductory Questions

Conference

Title: International Conference on Automated Planning and Scheduling
Acronym : ICAPS
Rank: A*

Requested Rank

Rank: A*

Conference Details

Month: June
Publisher: AAAI Press
Bi-annual: False
Multiconference: False
Component in a multi-conference or umbrella event: False
Colocated with other events: True
Colocated event description: SoCS :(Symposium on Combinatorial Search)
Event relationship description: SoCS typically co-locates with ICAPS every 2 years
Alternative content: True
Alternative content description: Full papers (9 pages), short papers (5 pages)

Proceedings Publishing Style

Proceedings Publishing: self-contained
Link to most recent proceedings: <https://ojs.aaai.org/index.php/ICAPS/issue/view/505>
Further details:

Most Recent Years

Most Recent Year

Year: 2022
URL: <https://icaps22.icaps-conference.org/>
Location: Virtual
Papers submitted: 277
Papers published: 85
Acceptance rate: 31
Source for numbers: <https://ojs.aaai.org/index.php/ICAPS/article/view/19864/19623>

General Chairs

| |
|---|
| Name: Pradeep Varakantham Affiliation: Singapore Management University Gender: M H Index: 33 GScholar url: https://scholar.google.com/citations?user=BAQpFkAAAAJ&hl=en&oi=ao DBLP url: https://dblp.org/pid/72/759.html |
|---|

| |
|--|
| Name: Akshat Kumar Affiliation: Singapore Management University Gender: M H Index: 22 GScholar url: https://scholar.google.com/citations?user=WHZiLTIAAAAJ&hl=en&oi=ao DBLP url: https://dblp.org/pid/73/193.html |
|--|

Program Chairs

Name: Sylvie Thiébaux
Affiliation: The Australian National University
Gender: F
H Index: 38
GScholar url: <https://scholar.google.com/citations?user=UliUD0gAAAAJ&hl=en&oi=ao>
DBLP url: <https://dblp.org/pid/64/3102.html>

Name: William Yeoh
Affiliation: Washington University in St. Louis
Gender: M
H Index: 27
GScholar url: <https://scholar.google.com/citations?user=HdLFmroAAAAJ&hl=en&oi=ao>
DBLP url: <https://dblp.org/pid/97/4283-1.html>

Second Most Recent Year

Year: 2021

URL: <https://icaps21.icaps-conference.org/home/index.html>

Location: Virtual

Papers submitted: 299

Papers published: 77

Acceptance rate: 26

Source for numbers: [ConferencereportbyorganizersfortheICAPScouncil](#)

General Chairs

Name: Hankz Hankui Zhuo
Affiliation: Sun Yat-Sen University
Gender: M
H Index: 22
GScholar url: <https://scholar.google.com/citations?user=q1WaNTYAAAAJ&hl=en&oi=ao>
DBLP url: <https://dblp.org/pid/12/793.html>

Name: Qiang Yang
Affiliation: Hong Kong University of Science and Technology
Gender: M
H Index: 128
GScholar url: <https://scholar.google.com/citations?user=1LxWZLQAAAAJ&hl=en&oi=ao>
DBLP url: <https://dblp.org/pid/82/6362-1.html>

Name: Minh Do
Affiliation: NASA Ames Research Center
Gender: M
H Index: 29
GScholar url: <https://scholar.google.com/citations?user=1A01sR4AAAAJ&hl=en&oi=ao>
DBLP url: <https://dblp.org/pid/45/3725.html>

Name: Subbarao Kambhampati
Affiliation: Arizona State University
Gender: M
H Index: 62
GScholar url: <https://scholar.google.com/citations?hl=en&user=y13L07sAAAAJ>
DBLP url: <https://dblp.uni-trier.de/pid/k/SKambhampati.html>

Program Chairs

| |
|--|
| <p>Name: Robert Goldman Affiliation: Smart Information Flow Technologies Gender: M H Index: 40 G Scholar url: https://scholar.google.com/citations?user=o7VWaikAAAAJ&hl=en&oi=ao DBLP url: https://dblp.org/pid/93/2423.html</p> |
| <p>Name: Susanne Biundo Affiliation: Ulm University Gender: F H Index: 32 G Scholar url: https://scholar.google.com/citations?user=k6evC3YAAAAJ&hl=en&oi=ao DBLP url: https://dblp.org/pid/37/5274.html</p> |
| <p>Name: Michael Katz Affiliation: IBM Research AI Gender: M H Index: 25 G Scholar url: https://scholar.google.com/citations?user=pltkfcMAAAAJ&hl=en&oi=ao DBLP url: https://dblp.org/pid/75/1295-1.html</p> |

Third Most Recent Year

Year: 2020
URL: <https://icaps20.icaps-conference.org/>
Location: Virtual
Papers submitted: 216
Papers published: 69
Acceptance rate: 32
Source for numbers: [ConferencereportbyorganizersfortheICAPScouncil](#)

General Chairs

| |
|---|
| <p>Name: Olivier Buffet Affiliation: INRIA Gender: M H Index: 25 G Scholar url: https://scholar.google.com/citations?user=3XG9JKEAAAAJ DBLP url: https://dblp.org/pid/35/5418.html</p> |
| <p>Name: Jörg Hoffmann Affiliation: Saarland University Gender: M H Index: 48 G Scholar url: https://scholar.google.com/citations?user=NR6qg_UAAAAJ&hl=en&oi=ao DBLP url: https://dblp.org/pid/26/836.html</p> |

Program Chairs

| |
|---|
| <p>Name: J. Christopher Beck Affiliation: University of Toronto Gender: M H Index: 42 G Scholar url: https://scholar.google.com/citations?user=y_pAyuQAAAAJ&hl=en&oi=ao DBLP url: https://dblp.org/pid/43/2165.html</p> |
| <p>Name: Erez Karpas Affiliation: Technion Gender: M H Index: 21 G Scholar url: https://scholar.google.com/citations?user=Dya6lhgAAAAJ&hl=en&oi=ao DBLP url: https://dblp.org/pid/92/7121.html</p> |
| <p>Name: Shirin Sohrabi Affiliation: IBM Gender: F H Index: 22 G Scholar url: https://scholar.google.com/citations?user=DD1Z2zcAAAAJ&hl=en&oi=ao DBLP url: https://dblp.org/pid/51/410.html</p> |

Policies

Chair Selection: ICAPS is incorporated as a public benefit corporation in California (USA). Its executive council is formed of former chairs with 6-year terms.

Teams of chairs who want to organize ICAPS submit a proposal to the executive council two years in advance and the executive council chooses a winning proposal.

During the preparation of the proposal, the prospective organizers can build on extensive guidelines and interact with the conference liaison, a special officer role in the ICAPS executive council.

The council selects the winning bid according to a number of criteria, most prominently the team of chairs.

The team of chairs must include senior researchers who have experience with organizing a top-tier conference like ICAPS. But the ICAPS executive council also makes a conscious effort to pair early career researchers with these senior researchers in the organizing committee to facilitate succession planning.

The ICAPS councils seeks not only diversity in seniority but also in the gender and regional composition of the organizing teams, as well as diversity of research directions. The aim is that every member of the ICAPS community can imagine themselves one day organizing the conference. Diversity in the composition of chairs is also important for ICAPS because it directly influences the long-term composition of the ICAPS executive council.

For supporting diversity and inclusion beyond the conference chairs, ICAPS also has 1. Diversity and inclusion officers at each iteration of ICAPS 2. Diversity and inclusion events at each iteration of ICAPS 3. A diversity and inclusion chair as an officer of the executive council, and 4. A diversity and inclusion committee to address concerns which people can post anonymously at the ICAPS incident report page.

Policy name: Code of Conduct

Policy url: <https://www.icaps-conference.org/icaps-code-of-conduct/>

Program Committee

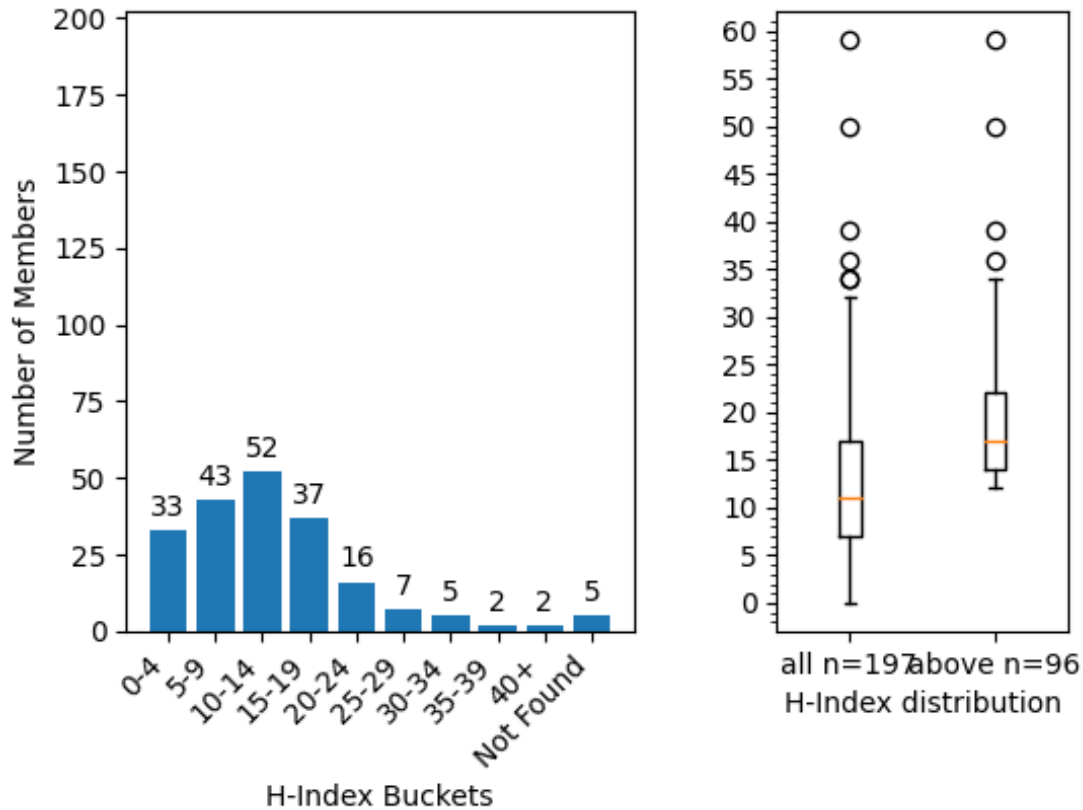
Link to pc: <https://icaps22.icaps-conference.org/programcommittee>

File: http://portal.core.edu.au/core/media/2023/pc_members/icaps_core_pc_agcCPSn_sN56mVr.txt

H-index plot: http://portal.core.edu.au/core/media/2023/pc_graphs/higherrank_hindex_buckets_1987.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/higherrank1987_spc_report.csv

WPP Report: http://portal.core.edu.au/core/media/2023/wpp_reports/nsmN14g6.txt

2. International Conference on Automated Planning and Scheduling (ICAPS)

This venue was published at 170 times by 59 of 82 individuals in the last 5+ years.

The individuals that publish at this venue are: Daniel Harabor(13), Malte Helmert(13), Sven Koenig(12), Ariel Felner(10), Erez Karpas(9), Oren Salzman(8), Pascal Bercher(8), Hoong Chuin Lau(7), Maxim Likhachev(7), Alessandro Saetti(6), Daniel Holler(6), Gregor Behnke(6), Nathan R. Sturtevant(6), Nysret Musliu(6), Daniele Magazzeni(5), Mauro Vallati(5), Roni Stern(5), Sheila A. McIlraith(5), Ufuk Topcu(5), Hector Geffner(4), Ivan Serina(4), Sara Bernardini(4), Sergio Jimenez Celorrio(4), Shirin Sohrabi(4), Wheeler Ruml(4), Alex S. Fukunaga(3), Daniel Borrajo(3), Eva Onaindia(3), Ronen I. Brafman(3), Sabine Storandt(3), Alban Grastien(2), Antonin Komenda(2), Blai Bonet(2), Carlos Hernandez 0003(2), Fabio Patrizi(2), Felipe Rech Meneguzzi(2), Luca Iocchi(2), Neil Yorke-Smith(2), Siddharth Srivastava(2), Susanne Biundo(2), Vaneet Aggarwal(2), Vicenc Gomez(2), Abdel-Illah Mouaddib(1), Andre Augusto Cire(1), Andrea Orlandini(1), Andre Augusto Cire(1), Francisco S. Melo(1), Iadine Chades(1), Malik Ghallab(1), Marek Petrik(1), Matteo Leonetti(1), Matthew C. Gombolay(1), Olivier Buffet(1), Paolo Traverso(1), Pavel Surynek(1), Roman Bartak(1), Ronald P. A. Petrick(1), Stefan Edelkamp(1), Thomas Leo McCluskey(1)

In 2018, there were 26 publications by 31 individuals: Alban Grastien, Alessandro Saetti, Alex S. Fukunaga, Andre Augusto Cire, Andrea Orlandini, Ariel Felner, Daniel Harabor, Daniel Holler, Daniele Magazzeni, Erez Karpas, Eva Onaindia, Gregor Behnke, Hector Geffner, Hoong Chuin Lau, Ivan Serina, Malte Helmert, Mauro Vallati, Maxim Likhachev, Oren Salzman, Pascal Bercher, Roman Bartak, Ronen I. Brafman, Sabine Storandt, Sergio Jimenez Celorrio, Sheila A. McIlraith, Shirin Sohrabi, Siddharth Srivastava, Susanne Biundo, Sven Koenig, Ufuk Topcu, Wheeler Ruml

In 2019, there were 35 publications by 30 individuals: Alessandro Saetti, Alex S. Fukunaga, Andre Augusto Cire, Antonin Komenda, Ariel Felner, Daniel Borrajo, Daniel Harabor, Daniele Magazzeni, Erez Karpas, Eva Onaindia, Fabio Patrizi, Felipe Rech Meneguzzi, Francisco S. Melo, Hoong Chuin Lau, Ivan Serina, Luca Iocchi, Malte Helmert, Marek Petrik, Maxim Likhachev, Neil Yorke-Smith, Nysret Musliu, Oren Salzman, Pascal Bercher, Ronen I. Brafman, Sabine Storandt, Sergio Jimenez Celorrio, Sheila A. McIlraith, Sven Koenig, Vicenc Gomez, Wheeler Ruml

In 2020, there were 36 publications by 35 individuals: Alessandro Saetti, Alex S. Fukunaga, Antonin Komenda, Ariel Felner, Carlos Hernandez 0003, Daniel Harabor, Eva Onaindia, Fabio Patrizi, Gregor Behnke, Hoong Chuin Lau, Iadine Chades, Ivan Serina, Luca Iocchi, Malik Ghallab, Malte Helmert, Mauro Vallati, Maxim Likhachev, Nathan R. Sturtevant, Nysret Musliu, Olivier Buffet, Paolo Traverso, Pascal Bercher, Pavel Surynek, Ronald P. A. Petrick, Roni Stern, Sabine Storandt, Sara Bernardini, Sergio Jimenez Celorrio, Sheila A. McIlraith, Shirin Sohrabi, Siddharth Srivastava, Susanne Biundo, Sven Koenig, Thomas Leo McCluskey, Ufuk Topcu

In 2021, there were 37 publications by 28 individuals: Alban Grastien, Ariel Felner, Blai Bonet, Daniel Borrajo, Daniel Harabor, Daniel Holler, Daniele Magazzeni, Erez Karpas, Felipe Rech Meneguzzi, Gregor Behnke, Hector Geffner, Hoong Chuin Lau, Malte Helmert, Matteo Leonetti, Mauro Vallati, Maxim Likhachev, Nathan R. Sturtevant, Nysret Musliu, Oren Salzman, Pascal Bercher, Ronen I. Brafman, Sara Bernardini, Sergio Jimenez Celorrio, Sven Koenig, Ufuk Topcu, Vaneet Aggarwal, Vicenc Gomez, Wheeler Ruml

In 2022, there were 36 publications by 29 individuals: Abdel-Illah Mouaddib, Alessandro Saetti, Ariel Felner, Blai Bonet, Carlos Hernandez 0003, Daniel Borrajo, Daniel Harabor, Daniel Holler, Daniele Magazzeni, Erez Karpas, Gregor Behnke, Hector Geffner, Hoong Chuin Lau, Malte Helmert, Matthew C. Gombolay, Mauro Vallati, Maxim Likhachev, Nathan R. Sturtevant, Neil Yorke-Smith, Nysret Musliu, Oren Salzman, Pascal Bercher, Sara Bernardini, Sheila A. McIlraith, Shirin Sohrabi, Stefan Edelkamp, Sven Koenig, Ufuk Topcu, Wheeler Ruml

59 out of the 82 individuals published at this venue in 1 or more years

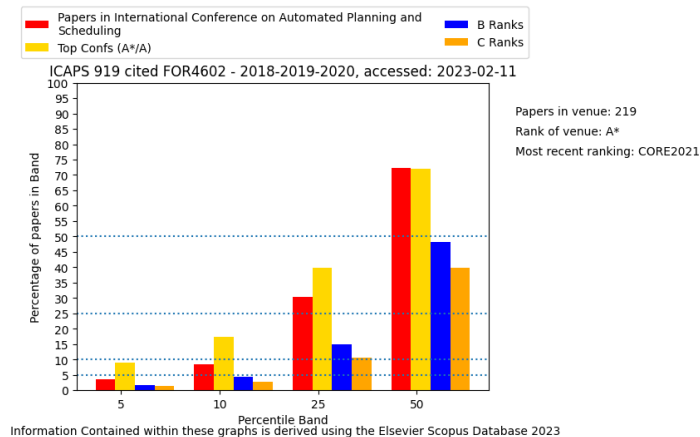
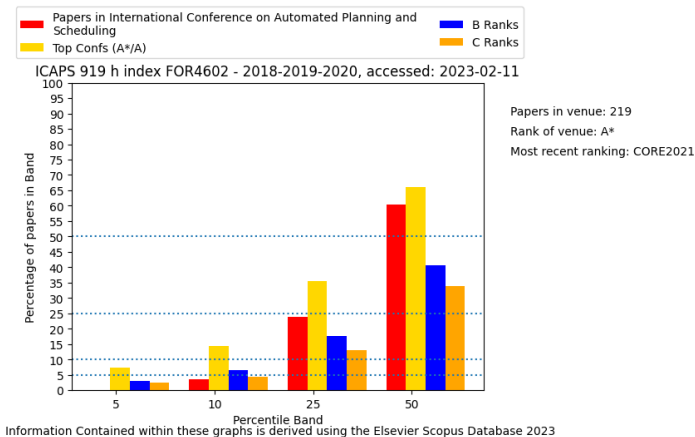
40 out of the 82 individuals published at this venue in 2 or more years

29 out of the 82 individuals published at this venue in 3 or more years

18 out of the 82 individuals published at this venue in 4 or more years

7 out of the 82 individuals published at this venue in 5 or more years

Centile graphs of paper metrics



Top People Involvement

name: Malte Helmert

h-index: 46

Google Scholar URL: <https://scholar.google.com/citations?user=Zqy3x50AAAAJ&hl=en>

Justification: - AAAI Fellow (<https://aaai.org/about-aaai/aaai-awards/the-aaai-fellows-program/elected-aaai-fellows/>) - EurAI Fellow (<https://www.eur.ai.org/award/fellows>) - IJCAI Computers and Thought Award (<https://www.ijcai.org/awards>) - JAIR Editor-in-Chief (<https://jair.org/index.php/jair/about/editorialTeam>)

Bio: <https://ai.dmi.unibas.ch/people/helmert/cv-public.pdf>

Paper counts:

| Most Recent: | Second most recent: | Third most recent: | Fourth most recent: | Fifth most recent: |
|--------------|---------------------|--------------------|---------------------|--------------------|
| 3 | 3 | 3 | 3 | 1 |

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

name: Peter Stuckey

h-index: 64

Google Scholar URL: https://scholar.google.co.il/citations?hl=en&user=tvFekxwAAAAJ&view_op=list_works&sortby=pubdate

Justification: - AAAI Fellow (<https://aaai.org/about-aaai/aaai-awards/the-aaai-fellows-program/elected-aaai-fellows/>) - Google Australia Eureka Prize for Innovation in Computer Science (<https://research.monash.edu/en/prizes/google-australia-eureka-prize-for-innovation-in-computer-science>)

Bio: <https://research.monash.edu/en/persons/peter-stuckey>

Paper counts:

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

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

name: Giuseppe De Giacomo

h-index: 79

Google Scholar URL: <https://scholar.google.com/citations?user=Sfo4K0oAAAAJ&hl=en&oi=ao>

Justification: - ACM Fellow (<https://awards.acm.org/fellows/award-recipients>) - AAAI Fellow (<https://aaai.org/about-aaai/aaai-awards/the-aaai-fellows-program/elected-aaai-fellows/>) - EurAI Fellow (<https://www.eur.ai.org/award/fellows>) - past program chair of ECAI - past associate Program Chair of IJCAI

Bio: <http://www.diag.uniroma1.it/degiacon/>

Paper counts:

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

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

name: Hector Geffner

h-index: 53

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

Justification: - AAAI Fellow (<https://aaai.org/about-aaai/aaai-awards/the-aaai-fellows-program/elected-aaai-fellows/>) - EurAI Fellow (<https://www.eur.ai.org/award/fellows>) - former Associate Editor of Artificial Intelligence and the Journal of Artificial Intelligence Research

Bio: <https://www-i6.informatik.rwth-aachen.de/~hector.geffner/>

Paper counts:

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

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

name: Sheila McIlraith

h-index: 60

Google Scholar URL: <https://scholar.google.com/citations?hl=en&user=ny2zuvMAAAAJ>

Justification: - ACM Fellow (<https://awards.acm.org/fellows/award-recipients>) - AAAI Fellow (<https://aaai.org/about-aaai/aaai-awards/the-aaai-fellows-program/elected-aaai-fellows/>) - past President of KR Inc. - associate editor of the Journal of Artificial Intelligence Research (JAIR) - past associate editor of the journal Artificial Intelligence (AIJ) - program co-chair of the 32nd AAAI Conference on Artificial Intelligence (AAAI-18)

Bio: <https://www.cs.toronto.edu/~sheila/>

Paper counts:

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

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

name: Sven Koenig

h-index: 72

Google Scholar URL: <https://scholar.google.com/citations?hl=en&user=tpoh43QAAAAJ>

Justification: - ACM Fellow (<https://awards.acm.org/fellows/award-recipients>) - IEEE Fellow (<https://services27.ieee.org/fellowsdirectory/keywordsearch.html?keyword=Koenig>) - AAAI Fellow (<https://aaai.org/about-aaai/aaai-awards/the-aaai-fellows-program/elected-aaai-fellows/>) - fellow of the American Association for the Advancement of Science (AAAS) - past chair of the AAAI conference committee - past chair of the ACM Special Interest Group on Artificial Intelligence (ACM SIGAI) - past councilor of AAAI - past associate editor of the Artificial Intelligence journal, Computational Intelligence, Advances in Complex Systems and JAIR

Bio: <http://idm-lab.org/bio.html>

Paper counts:

| Most Recent: | Second most recent: | Third most recent: | Fourth most recent: | Fifth most recent: |
|--------------|---------------------|--------------------|---------------------|--------------------|
| 2 | 2 | 4 | 2 | 2 |

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

name: Manuela Veloso

h-index: 87

Google Scholar URL: <https://scholar.google.com/citations?hl=en&user=2FbkAzYAAAAJ>

Justification: - ACM Fellow (<https://awards.acm.org/fellows/award-recipients>) - IEEE Fellow (<https://services27.ieee.org/fellowsdirectory/keywordsearch.html?keyword=Veloso>) - AAAI Fellow (<https://aaai.org/about-aaai/aaai-awards/the-aaai-fellows-program/elected-aaai-fellows/>) - fellow of the American Association for the Advancement of Science (AAAS) - past program chair of IJCAI - past program chair of AAAI

Bio: https://en.wikipedia.org/wiki/Manuela_M._Veloso

Paper counts:

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

Attendance: Occasionally (< 20% of the time)

name: Subbarao Kambhampati

h-index: 62

Google Scholar URL: <https://scholar.google.com/citations?hl=en&user=yl3L07sAAAAJ>

Justification: - ACM Fellow (<https://awards.acm.org/fellows/award-recipients>) - AAAI Fellow (<https://aaai.org/about-aaai/aaai-awards/the-aaai-fellows-program/elected-aaai-fellows/>) - AAAS Fellow (<https://www.aaas.org/news/2017-aaas-fellows-recognized-advancing-science>) - AAAI past president (<https://aaai.org/about-aaai/aaai-officers-and-committees/past-aaai-officers/>)

In 2021, Rao Kambhampati was a conference chair and did not submit to the conference for this reason.

Bio: <https://search.asu.edu/profile/95646>

Paper counts:

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

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

name: Joerg Hoffmann

h-index: 48

Google Scholar URL: https://scholar.google.com/citations?hl=en&user=NR6qg_UAAAAJ

Justification: - AAAI Fellow (<https://aaai.org/about-aaai/aaai-awards/the-aaai-fellows-program/elected-aaai-fellows/>) - EurAI Fellow (<https://www.eurai.org/award/fellows>) - past program co-chair of AAAI

In 2020, Jörg Hoffmann was a conference chair and did not submit to the conference for this reason.

Bio: <http://fai.cs.uni-saarland.de/hoffmann/>

Paper counts:

| Most Recent: | Second most recent: | Third most recent: | Fourth most recent: | Fifth most recent: |
|--------------|---------------------|--------------------|---------------------|--------------------|
| 7 | 1 | 0 | 2 | 3 |

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

name: Bernhard Nebel

h-index: 59

Google Scholar URL: <https://scholar.google.com/citations?hl=en&user=4MhUHPcAAAAJ>

Justification: - ACM Fellow (<https://awards.acm.org/fellows/award-recipients>) - AAAI Fellow (<https://aaai.org/about-aaai/aaai-awards/the-aaai-fellows-program/elected-aaai-fellows/>) - EurAI Fellow (<https://www.eurai.org/award/fellows>) - past program co-chair of IJCAI

Bio: <http://www2.informatik.uni-freiburg.de/~nebel/>

Paper counts:

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

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

Area Leaders publishing

Method of selection: The top of the list (up to entry 21) has been generated with google scholar and the keyword "automated planning", taking the names with h-index above 45 from the top. Please note that this was the most generic keyword we could meaningfully use. A broader one would have been "planning", which would include research from geography, project management, urban planning or tourism that is not even related to computer science. Another broader choice would be "artificial intelligence", which covers for example also the huge unrelated areas of computer vision or natural language processing, so this keyword would not reflect the "general area which includes [our] conference".

We included Sylvie Thiébaux as an editor in chief of the Artificial Intelligence Journal (

<https://www.sciencedirect.com/journal/artificial-intelligence>). She also is an AAAI Fellow.

Manuela Veloso has been included as a fellow of the ACM (<https://awards.acm.org/fellows/award-recipients>). She uses the label "planning" on Google scholar.

Among the top persons on the google scholar list are also Paolo Traverso (position 8) and Malik Ghallab (position 15), who are renowned members of the planning community and together with Dana Nau co-authored one of the standard textbooks on planning ("Automated Planning and Acting"). They have a lower h-index than 45 (which is extremely high for a researcher mainly working in automated planning). To properly reflect the community of our general research area, we included them nevertheless but only at position 24 and 25. Since IEEE and ACM aren't representative of many branches of AI, we also consider AAAI Fellows working in automated planning but using different labels on google scholar. Since most of the AAAI Fellows from the field use the label "automated planning", the only such persons are Brian Williams and David Smith. Since they are also integral members of the planning community, we added them (at the end of the list).

Keyword: automated_planning

| name | h-index | gscholar url |
|----------------------|---------|---|
| Giuseppe De Giacomo | 79 | https://scholar.google.com/citations?hl=en&user=Sfo4K0oAAAAJ |
| Dana S. Nau | 67 | https://scholar.google.com/citations?hl=en&user=fez4ulcAAAAJ |
| Alessandro Cimatti | 63 | https://scholar.google.com/citations?hl=en&user=8fDmrhsAAAAJ |
| Sheila A. McIlraith | 60 | https://scholar.google.com/citations?hl=en&user=ny2zuvMAAAAJ |
| Sven Koenig | 72 | https://scholar.google.com/citations?hl=en&user=tpoh43QAAAAJ |
| Bernhard Nebel | 59 | https://scholar.google.com/citations?hl=en&user=4MhUHPcAAAAJ |
| Subbarao Kambhampati | 62 | https://scholar.google.com/citations?hl=en&user=y13L07sAAAAJ |
| Maxim Likhachev | 52 | https://scholar.google.com/citations?hl=en&user=Ic8NqXwAAAAJ |
| Shlomo Zilberstein | 59 | https://scholar.google.com/citations?hl=en&user=q_n7d6EAAAAJ |
| Robert C. Holte | 46 | https://scholar.google.com/citations?hl=en&user=3_002c0AAAAJ |
| Stephen F. Smith | 59 | https://scholar.google.com/citations?hl=en&user=vD358b8AAAAJ |
| Jonathan Schaeffer | 60 | https://scholar.google.com/citations?hl=en&user=W6WwvbQAAAAJ |
| Joerg Hoffmann | 48 | https://scholar.google.com/citations?hl=en&user=NR6qg_UAAAAJ |
| Hector Geffner | 53 | https://scholar.google.com/citations?hl=en&user=Wd0CDmcAAAAJ |
| Derek Long | 47 | https://scholar.google.com/citations?hl=en&user=lsk6TF4AAAAJ |
| Mausam | 46 | https://scholar.google.com/citations?hl=en&user=5y4YmFcAAAAJ |
| Ronen I. Brafman | 46 | https://scholar.google.com/citations?hl=en&user=FRxsXjcAAAAJ |
| Alessandro Saffiotti | 52 | https://scholar.google.com/citations?hl=en&user=QBeKlwMAAAAJ |
| Malte Helmert | 46 | https://scholar.google.com/citations?user=Zqy3x50AAAAJ&hl=en |
| Steve Chien | 47 | https://scholar.google.com/citations?hl=en&user=0Jc05ikAAAAJ |
| Ariel Felner | 45 | https://scholar.google.com/citations?hl=en&user=t4rXchwAAAAJ |
| Sylvie Thiébaux | 38 | https://scholar.google.com/citations?user=UliUD0gAAAAJ&hl=en |
| Manuela M. Veloso | 87 | https://scholar.google.com/citations?hl=en&user=2FbkAzYAAAAJ |
| Paolo Traverso | 42 | https://scholar.google.com/citations?hl=en&user=ho38I-wAAAAJ |
| Malik Ghallab | 33 | https://scholar.google.com/citations?hl=en&user=A4v885AAAAAJ |
| Brian C. Williams | 52 | https://scholar.google.com/citations?hl=en&user=0lzpVykAAAAJ |
| David E. Smith | 40 | https://scholar.google.com/citations?hl=en&user=xEX1KJ4AAAAJ |

WPP Report: http://portal.core.edu.au/core/media/2023/wpp_reports/Swt0e90h.txt

1. International Conference on Automated Planning and Scheduling (ICAPS)

This venue was published at 83 times by 21 of 25 individuals in the last 5+ years.

The individuals that publish at this venue are: Malte Helmert(13), Sven Koenig(12), Ariel Felner(10), Maxim Likhachev(7), Giuseppe De Giacomo(6), Sheila A. McIlraith(5), Subbarao Kambhampati(5), Hector Geffner(4), Manuela M. Veloso(4), Sylvie Thiebaux(4), Bernhard Nebel(3), Brian C. Williams(3), Ronen I. Brafman(3), Dana S. Nau(2), Robert C. Holte(2), Shlomo Zilberstein(2), Stephen F. Smith(2), Malik Ghallab(1), Mausam(1), Paolo Traverso(1), Steve Chien(1)

In 2018, there were 10 publications by 10 individuals: Ariel Felner, Bernhard Nebel, Hector Geffner, Malte Helmert, Maxim Likhachev, Robert C. Holte, Ronen I. Brafman, Sheila A. McIlraith, Subbarao Kambhampati, Sven Koenig

In 2019, there were 20 publications by 13 individuals: Ariel Felner, Brian C. Williams, Giuseppe De Giacomo, Malte Helmert, Manuela M. Veloso, Mausam, Maxim Likhachev, Ronen I. Brafman, Sheila A. McIlraith, Shlomo Zilberstein, Stephen F. Smith, Subbarao Kambhampati, Sven Koenig

In 2020, there were 21 publications by 14 individuals: Ariel Felner, Bernhard Nebel, Dana S. Nau, Giuseppe De Giacomo, Malik Ghallab, Malte Helmert, Manuela M. Veloso, Maxim Likhachev, Paolo Traverso, Sheila A. McIlraith, Stephen F. Smith, Subbarao Kambhampati, Sven Koenig, Sylvie Thiebaux

In 2021, there were 16 publications by 11 individuals: Ariel Felner, Bernhard Nebel, Brian C. Williams, Dana S. Nau, Giuseppe De Giacomo, Hector Geffner, Malte Helmert, Manuela M. Veloso, Maxim Likhachev, Ronen I. Brafman, Sven Koenig

In 2022, there were 16 publications by 12 individuals: Ariel Felner, Giuseppe De Giacomo, Hector Geffner, Malte Helmert, Maxim Likhachev, Robert C. Holte, Sheila A. McIlraith, Shlomo Zilberstein, Steve Chien, Subbarao Kambhampati, Sven Koenig, Sylvie Thiebaux

21 out of the 25 individuals published at this venue in 1 or more years

17 out of the 25 individuals published at this venue in 2 or more years

11 out of the 25 individuals published at this venue in 3 or more years

7 out of the 25 individuals published at this venue in 4 or more years

4 out of the 25 individuals published at this venue in 5 or more years

Additional Data

Google Scholar Data

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

Position in sub-category: 20+

h5 index of 20th item in category: 64

h5 index for this conference: 32

Relationship to similar conferences

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

AAAI - AAAI Conference on Artificial Intelligence and IJCAI - International Joint Conference on Artificial Intelligence:

ICAPS is the leading specialized conference for research on automated planning. Automated planning is a subfield of the larger field of artificial intelligence. AAAI and IJCAI are much larger conferences that cover this field as a whole; where ICAPS receive on the order of 250 submissions annually, these larger conferences have received perhaps 5000-10000 submissions annually in recent years. This difference in size is due to two factors: firstly, AAAI and IJCAI can be considered in some sense as a "union" of conferences on AI subfields such as ICAPS, KR and AAMAS (described below), and secondly some of these subfields (in particular machine learning, natural language processing and computer vision) have recently exploded in size.

In terms of prestige, ICAPS, AAAI and IJCAI publications are considered at the same level by researchers in automated planning. For example, papers rejected at ICAPS are routinely submitted (after revision) to AAAI and IJCAI and vice versa. For example, of the 113 full papers rejected at ICAPS 2018, 13 were afterwards published at AAAI or IJCAI.

Among these three, ICAPS is often considered the most preferred conference to publish at because it tends to have somewhat higher review quality (in particular less randomness, as the size of AAAI and IJCAI makes it hard to control the quality of the review process as tightly as at ICAPS), because only a small fraction of presentations at the general conferences are relevant to the individual subcommunities and because leading members of the automated planning research community are more likely to attend ICAPS than the other two conferences in a given year, making the conference more attractive for staying in touch with the research community and granting a better visibility of the work to the most relevant audience.

ECAI - European Conference on Artificial Intelligence:

ECAI is another general conference on artificial intelligence with the same breadth as AAAI and IJCAI but considered weaker than these conferences and ICAPS. Planning researchers submit there, but rather as a second choice, for example if the work is not quite considered strong enough for ICAPS.

AAMAS - International Joint Conference on Autonomous Agents and Multiagent Systems CP - International Conference on Principles and Practice of Constraint Programming KR - International Conference on the Principles of Knowledge Representation and Reasoning SoCS - International Symposium on Combinatorial Search

These four conferences are good reference points for comparison because, like ICAPS, they are specialized conferences that cover a subfield of AI, and they are the leading specialized conferences for their subfield. Moreover, each of these subfields (multi-agent systems

for AAMAS; constraint programming for CP; knowledge representation for KR; heuristic search for SoCS) all have substantial overlap with AI planning. For example, multi-agent planning work is relevant to both ICAPS and AAMAS; constraint-based techniques are often used in planning; knowledge representation is a central concern in many planning papers; heuristic search is commonly used in planning algorithms. Like ICAPS, these conferences are much smaller in terms of submissions and attendance than AAAI/IJCAI/ECAI, and they are the main places where the respective subcommunities tend to meet.

In terms of quality level, SoCS is substantially below ICAPS; a paper that is clearly not strong enough for publication at ICAPS may be strong enough to be accepted at SoCS. We also consider CP less prestigious and the conference somewhat more insular, though a step above SoCS. KR and AAMAS are comparable in quality level to ICAPS and are likewise top-level conferences in their areas. For example, researchers that are very active in both automated planning and knowledge representation (for example Sheila McIlraith and Bernhard Nebel) frequently have to make a decision between submitting to KR or ICAPS for work that thematically fits either conference. Such a decision would be based on an estimation of which AI subcommunity they would consider to have a greater interest in the work or perhaps based on external factors such as closest submission deadlines, but not based on quality concerns.

To illustrate the superset/subset relationship between the general conferences like AAAI/IJCAI/ECAI and the specialized conferences with some quantitative bibliometrics (even though citation counts never tell the entire story), AAAI and IJCAI are both listed as top-ten venues in the Google Scholar category "Artificial Intelligence" with h5-values of 180 and 120 as of this writing. In the relevant period from 2017-2021, the number of citable items that factors into the i5 value is 7895 for AAAI and 4200 for IJCAI (all data on number of citable items comes from DBLP).

The much smaller specialized conferences naturally have lower h5-values due to the much smaller number of citable items that factor into the statistics, but they are well-cited in relation to the number of published papers. ICAPS has an h5-value of 32 based on 393 citable items. AAMAS has a larger h5 value of 50, but also a much larger number of 1811 citable items. The other mentioned conferences have fewer highly cited papers, but also fewer citable items than ICAPS in the relevant period: for KR an h5-value of 17 based on 265 citable items; for CP an h5-value of 18 based on 256 citable items; for SoCS an h5-value of 19 based on 188 citable items. Again we emphasize that these numbers cannot be seen as straightforward quality metrics. For example, they do not illustrate the lower quality threshold of SoCS compared to the other conferences, which nevertheless an expert in the area would not doubt.

Other Information

Attachments

http://portal.core.edu.au/core/media/2023/request_attachment/icaps_reviewing_logPysh.pdf

Proposers

First name: Erez
Last name: Karpas
Affiliation: Technion
Email: karpase@gmail.com

First name: Gabriele
Last name: Röger
Affiliation: University of Basel
Email: gabriele.roeger@unibas.ch

Submitted By

Name: Karpas Erez
Email: karpase@gmail.com