Submission data for 2023 CORE conference ranking process
International Conference on Concurrency Theory

Javier Esparza, Joost-Pieter Katoen

Introductory Questions

Conference

Title: International Conference on Concurrency Theory
Acronym : CONCUR
Rank: A

Requested Rank

Rank: A

Conference Details

Month: September
Publisher: Leibniz International Proceedings in Informatics (LIPIcs)
Bi-annual: False
Multiconference: False
Component in a multi-conference or umbrella event: True
Has separate proceedings: True
Colocated with other events: True
Colocated event description: QEST, FORMATS, FMICS
Event relationship description: The events under the umbrella are completely autonomous conferences (Separate PC Chairs, PCs, proceedings). Only the organizers are common.
Alternative content: False

Proceedings Publishing Style

Proceedings Publishing: series
Link to most recent proceedings: https://drops.dagstuhl.de/opus/portals/lipics/index.php?semnr=16256
Further details: CONCUR is published by LIPIcs (Leibniz International Proceedings in Informatics, ISSN 1868-8969), in cooperation with Schloss Dagstuhl-Leibniz Center for Informatics.
https://www.dagstuhl.de/en/publishing/series/details/LIPIcs

Most Recent Years

Most Recent Year

Year: 2022
URL: https://concur2022.mimuw.edu.pl/
Location: Warsaw
Papers submitted: 90
Papers published: 32
Acceptance rate: 36
Source for numbers: https://drops.dagstuhl.de/opus/volltexte/2022/17063/pdf/LIPIcs-CONCUR-2022-0.pdf

General Chairs

No General Chairs

Program Chairs

Name: Bartek Klin Affiliation: University of Oxford Gender: M H Index: 22 GScholar url: https://scholar.google.de/citations?hl=en&user=0-UFxOQAAAAJ DBLP url: https://dblp.org/pid/k/BartekKlin.html
Name: Slawomir Lasota Affiliation: Warsaw University Gender: M H Index: 21 GScholar url: https://scholar.google.de/citations?hl=en&user=j_k7K5kAAAAJ DBLP url: https://dblp.org/pid/97/3803.html
Name: Anca Muscholl Affiliation: University of Bordeaux Gender: F H Index: 32 GScholar url: https://scholar.google.de/citations?hl=en&user=79E_MpkAAAAJ DBLP url: https://dblp.org/pid/m/AMuscholl.html

Second Most Recent Year

Year: 2021
URL: https://qonfest2021.lacl.fr/concur21.php
Location: Online (Paris)
Papers submitted: 96
Papers published: 35
Acceptance rate: 36
Source for numbers: https://drops.dagstuhl.de/opus/volltexte/2021/14377/pdf/LIPIcs-CONCUR-2021-0.pdf

General Chairs

No General Chairs

Program Chairs

Name: Serge Haddad Affiliation: Universite Paris Saclay Gender: M H Index: 36 GScholar url: https://scholar.google.com/citations?user=caROmbkAAAAJ&hl=en&oi=ao DBLP url: https://dblp.org/pid/h/SergeHaddad.html
Name: Daniele Varacca Affiliation: University of Paris-Est Creteil Gender: M H Index: 18 GScholar url: https://scholar.google.com/citations?user=nQ4jaWsAAAAJ&hl=en&oi=ao DBLP url: https://dblp.org/pid/90/1979.html

Third Most Recent Year

Year: 2020
URL: http://concur2020.forsyte.at/
Location: Online (Vienna)
Papers submitted: 112
Papers published: 45
Acceptance rate: 40
Source for numbers: https://drops.dagstuhl.de/opus/volltexte/2020/12812/pdf/LIPIcs-CONCUR-2020-0.pdf

General Chairs

No General Chairs

Program Chairs

Name: Igor Konnov
Affiliation: Informal Systems
Gender: M
H Index: 17
GScholar url: https://scholar.google.at/citations?user=K6OSiNYAAAAJ&hl=en
DBLP url: https://dblp.org/pid/00/1088.html

Name: Laura Kovacs
Affiliation: Technical University of Vienna
Gender: F
H Index: 25
GScholar url: https://scholar.google.com/citations?user=X4K5SpIAAAAJ&hl=en
DBLP url: https://dblp.org/pid/k/LauraKovacs.html

Policies

Chair Selection: The Steering Committee extends invitations to scientists in the area of Concurrency Theory to submit bids for organizing an edition of the conference. The bid includes a proposal for two (in the last edition, exceptionally three) PC chairs. One of the chairs is required to be a senior scientist of high reputation.
The Steering Committee selects the PC chairs, taking into account the proposal made in the bid, scientific excellence, and gender balance.
No Policies.

Program Committee

Link to pc: https://concur2022.mimuw.edu.pl/committees/index.html
File: http://portal.core.edu.au/core/media/2023/pc_members/pc2022_soMugmQ.txt
H-index plot: http://portal.core.edu.au/core/media/2023/pc_graphs/higherrank_hindex_buckets_2132.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.
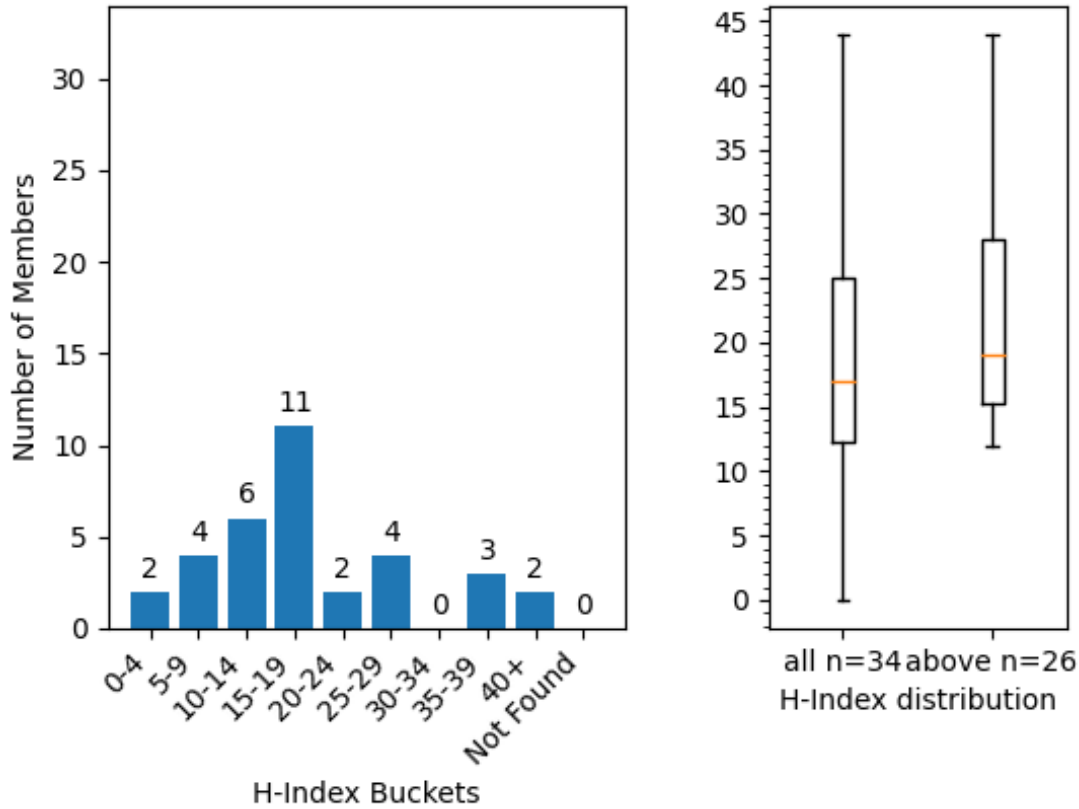
Publishing of established researchers in the PC

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2. International Conference on Concurrency Theory (CONCUR)
Core Rank: A
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This venue was published at 23 times by 7 of 16 individuals in the last 5+ years.

The individuals that publish at this venue are: Stefan Kiefer(8), Joel Ouaknine(6), Nobuko Yoshida(3), Bas Luttik(2), Bernd Finkbeiner(2), Constantin Enea(1), Daniele Gorla(1)

In 2018, there were 2 publications by 2 individuals: Joel Ouaknine, Stefan Kiefer
In 2019, there were 4 publications by 4 individuals: Bernd Finkbeiner, Constantin Enea, Joel Ouaknine, Nobuko Yoshida
In 2020, there were 5 publications by 3 individuals: Bas Luttik, Joel Ouaknine, Stefan Kiefer
In 2021, there were 7 publications by 5 individuals: Bernd Finkbeiner, Daniele Gorla, Joel Ouaknine, Nobuko Yoshida, Stefan Kiefer
In 2022, there were 5 publications by 4 individuals: Bas Luttik, Joel Ouaknine, Nobuko Yoshida, Stefan Kiefer

7 out of the 16 individuals published at this venue in 1 or more years
5 out of the 16 individuals published at this venue in 2 or more years
3 out of the 16 individuals published at this venue in 3 or more years
2 out of the 16 individuals published at this venue in 4 or more years
1 out of the 16 individuals published at this venue in 5 or more years

Centile graphs of paper metrics
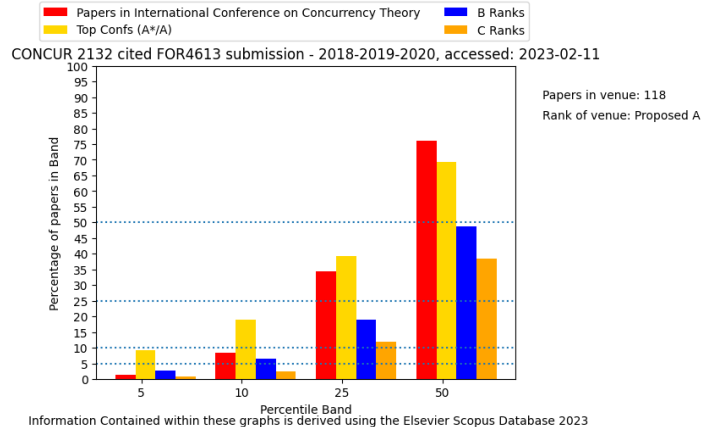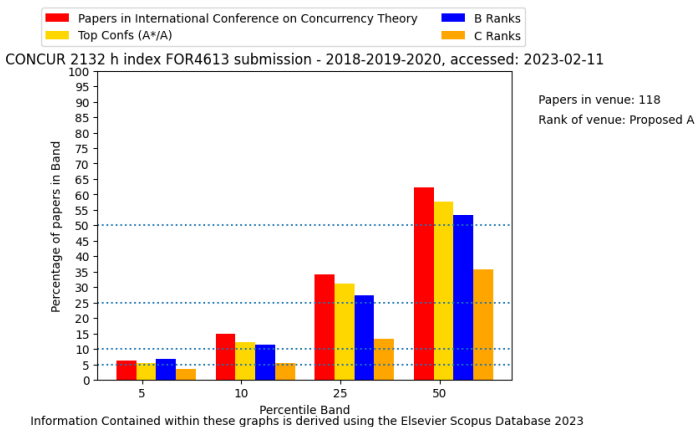
Top People Involvement

name: Thomas Henzinger
h-index: 116
Google Scholar URL: https://scholar.google.de/citations?user=jpgplxUAAAAJ&hl=en&oi=ao
Justification: NAS Member (2020)
IEEE Fellow and ACM Fellow
Member of the Academy of Sciences Leopoldina
ISI Highly Cited Researcher
2015 Milner Award der Royal Society
Wittgenstein Prize
ERC Advanced Grant holder (2x)
https://en.wikipedia.org/wiki/Thomas_Henzinger
Paper counts:

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

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

name: Nobuko Yoshida
h-index: 64

Google Scholar URL: https://scholar.google.de/citations?user=4T-p76AAAAAJ&hl=en&oi=ao
Justification: EPSRC Established Career Fellow
Most Influential POPL Paper Award in 2018
Editor of ACM Transactions on Programming Languages and Systems, Mathematical Structures in Computer Science, Journal of Logical
Algebraic Methods in Programming
https://www.cs.ox.ac.uk/people/nobuko.yoshida/
Paper counts:

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

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

name: Rupak Majumdar
h-index: 59
Google Scholar URL: https://scholar.google.com/citations?user=COuXyKwAAAAJ&hl=en
Justification: NSF CAREER award
Sloan Foundation Fellowship
ERC Synergy award
Most Influential POPL Paper Award in 2004
Most Influential PDLI Paper Award in 2001
https://people.mpi-sws.org/~rupak/cv.pdf
Paper counts:

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

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

name: Krishnendu Chatterjee
h-index: 59
Google Scholar URL: https://scholar.google.com/citations?hl=en&user=1kaW8bwAAAAJ
Justification: ERC Starting Grant
ERC Consolidator Grant
Ackermann Award of the European Association of Computer Science Logic
https://en.wikipedia.org /wiki/Krishnendu_Chatterjee
Paper counts:

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

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

name: Javier Esparza
h-index: 55
Google Scholar URL: https://scholar.google.com/citations?user=c9qgPSYAAAAJ&hl=en
Justification: ERC Advanced Grant
Member of Academia Europaea
https://en.wikipedia.org/wiki/Javier_Esparza
Paper counts:

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

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

name: Christel Baier
h-index: 54
Google Scholar URL: https://scholar.google.com/citations?user=p8sX7r0AAAAJ&hl=en
Justification: Editor-in-Chief of Acta Informatica
Doctor honoris causa of RWTH-Aachen University
Co-author of the book Principles of Model Checking
https://en.wikipedia.org/wiki/Christel_Baier
Paper counts:

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

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

name: Orna Kupferman
h-index: 52
Google Scholar URL: https://scholar.google.com/citations?user=5o111aIAAAAJ&hl=en
Justification: ERC Starting Grant
Editor-in-Chief of ACM Transactions on Computational Logic
Editor of Journal of the SCM
Member of Academia Europaea
https://en.wikipedia.org/wiki/Orna_Kupferman

Paper counts:

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

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

name: Jean-Francois Raskin
h-index: 52
Google Scholar URL: https://scholar.google.be/citations?user=KV9-Sm4AAAAJ&hl=fr
Justification: ERC Starting Grant
IBM Faculty award 2014
ACM-SigSoft Most Influential Paper Award SPLC 2020
https://verif.ulb.ac.be/jfr/
Paper counts:

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

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

name: Patricia Bouyer
h-index: 44
Google Scholar URL: https://scholar.google.fr/citations?user=sgKO-H4AAAAJ&hl=en
Justification: CNRS Bronze Medal
Presburger Award of the European Association for Theoretical Computer Science
https://en.wikipedia.org/wiki/Patricia_Bouyer-Decitre
Paper counts:

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

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

name: Joel Ouaknine
h-index: 42
Google Scholar URL: https://scholar.google.com/citations?user=ZfE4iQ4AAAAJ&hl=en
Justification: ACM Fellow
ERC Consolidator Grant
Member of Academia Europaea since 2020
Arto Salomaa Prize 2020
Roger Needham Award 2010
Paper counts:

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

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

Area Leaders publishing

Method of selection: LICS is the CORE A* conference closest to CONCUR and the top conference on Logic in Computer Science.
We took the list of most prolific authors in LICS (IEEE Symposium on Logic in Computer Science), which can be found at
https://dblp.org/search?q=venue%3Alics
and filtered out all those with h-index at least 45 and at least 8 papers published.

name	h-index	gscholar url
Moshe Vardi	114	https://scholar.google.de/citations?user=DQaARsgAAAAJ
Martin Grohe	55	https://scholar.google.de/citations?hl=en&user=Sou5ih0AAAAJ
Krishnendu Chatterjee	59	https://scholar.google.de/citations?hl=en&user=1kaW8bwAAAAJ
Gordon Plotkin	66	https://scholar.google.de/citations?hl=en&user=0KiEfGcAAAAJ
Prakash Panangaden	46	https://scholar.google.de/citations?hl=en&user=IROzEKQAAAAJ
Dexter Kozen	58	https://scholar.google.de/citations?hl=en&user=LV1qWjgAAAAJ
Thomas Henzinger	116	https://scholar.google.de/citations?hl=en&user=jpgplxUAAAAJ
Erich Grädel	47	https://scholar.google.de/citations?hl=en&user=4TbxnYOAAAAJ
Martín Abadi	93	https://scholar.google.de/citations?hl=en&user=vWTI6OAAAAAJ
Phokion Kolaitis	51	https://scholar.google.de/citations?hl=en&user=cqnovfEAAAAJ
Dale Miller	55	https://scholar.google.de/citations?hl=en&user=d9WopvMAAAAJ
Rajeev Alur	93	https://scholar.google.de/citations?hl=en&user=ZvLa1RIAAAAJ
Leonid Libkin	58	https://scholar.google.de/citations?hl=en&user=4q-MIB0AAAAJ
Frank Pfenning	66	https://scholar.google.de/citations?hl=en&user=ghWKWBUAAAAJ
Davide Sangiorgi	51	https://scholar.google.de/citations?hl=en&user=Xd4KSLcAAAAJ
Samson Abramsky	60	https://scholar.google.de/citations?hl=en&user=L2vmD3MAAAAJ
Orna Kupferman	52	https://scholar.google.de/citations?hl=en&user=5o111aIAAAAJ
Joseph Halpern	94	https://scholar.google.de/citations?hl=en&user=FsBCAfgAAAAJ
Stephen Cook	51	https://scholar.google.de/citations?hl=en&user=VGxPtzIAAAAJ
Edmund Clarke	103	https://scholar.google.de/citations?hl=en&user=_adL2C8AAAAJ
Parosh Abdulla	50	https://scholar.google.de/citations?hl=en&user=ClHyW9MAAAAJ
Lars Birkedal	51	https://scholar.google.de/citations?hl=en&user=1rW-bi0AAAAJ
Javier Esparza	55	https://scholar.google.de/citations?hl=en&user=c9qgPSYAAAAJ
Christel Baier	54	https://scholar.google.de/citations?hl=en&user=p8sX7r0AAAAJ

Keyword:

WPP Report: http://portal.core.edu.au/core/media/2023/wpp_reports/UZC2d0rD.txt

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2. International Conference on Concurrency Theory (CONCUR)
Core Rank: A

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This venue was published at 29 times by 9 of 21 individuals in the last 5+ years.

The individuals that publish at this venue are: Javier Esparza(7), Thomas A. Henzinger(6), Krishnendu
Chatterjee(5), Christel Baier(3), Frank Pfenning(3), Orna Kupferman(3), Davide Sangiorgi(2), Parosh Aziz
Abdulla(2), Moshe Y. Vardi(1)


In 2018, there were 7 publications by 6 individuals: Frank Pfenning, Javier Esparza, Krishnendu Chatterjee, Moshe
Y. Vardi, Parosh Aziz Abdulla, Thomas A. Henzinger
In 2019, there were 7 publications by 5 individuals: Frank Pfenning, Javier Esparza, Krishnendu Chatterjee, Orna
Kupferman, Thomas A. Henzinger
In 2020, there were 7 publications by 6 individuals: Davide Sangiorgi, Frank Pfenning, Javier Esparza, Krishnendu
Chatterjee, Parosh Aziz Abdulla, Thomas A. Henzinger
In 2021, there were 3 publications by 2 individuals: Christel Baier, Javier Esparza
In 2022, there were 5 publications by 5 individuals: Christel Baier, Davide Sangiorgi, Javier Esparza, Orna
Kupferman, Thomas A. Henzinger


9 out of the 21 individuals published at this venue in 1 or more years
8 out of the 21 individuals published at this venue in 2 or more years
4 out of the 21 individuals published at this venue in 3 or more years
2 out of the 21 individuals published at this venue in 4 or more years
1 out of the 21 individuals published at this venue in 5 or more years
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Additional Data

Google Scholar Data

Sub-category url: https://scholar.google.com.au/citations?view_op=top_venues&hl=en&vq=eng_theoreticalcomputerscience
Position in sub-category: 20+
h5 index of 20th item in category: 22
h5 index for this conference: 17

Relationship to similar conferences

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

The CORE A* and CORE A conferences having a large intersection with CONCUR are:
CAV, FOSSACS, ICALP (Track B), LICS, MFCS, PODC, STACS, and TACAS.
PODC covers the intersection of distributed computing and the algorithms-and-complexity part of TCS, and CONCUR covers the intersection of distributed computing and the logic-semantics-and-verification part of TCS.
FOSSACS, ICALP (Track B), LICS, and MFCS encompass all or several different areas of TCS. They have a broader scope than CONCUR, which is focused on concurrent systems.
CAV and TACAS are conferences on formal methods and verification. They are more applied than CONCUR.
CAV
Topics of the last CfP in common with CONCUR: Algorithms and tools for verifying models and implementations; Algorithms and tools for system synthesis; Mathematical and logical foundations of verification and synthesis Specifications and correctness criteria for programs and systems; Program analysis and software verification; Software synthesis; Hybrid systems and embedded systems verification; Formal methods for cyber-physical systems; Compositional and abstraction-based techniques for verification; Probabilistic and statistical approaches to verification; Verification methods for parallel and concurrent systems; Formal models and methods for biological systems.
FOSSACS
Topics of the last CfP in common with CONCUR: language theory, automata, and games; modal, spatial, and temporal logics; concurrency theory and process calculi; semantics of programming languages; program analysis, correctness, transformation, and verification; logics of programming; software specification and refinement; models of concurrent, reactive, stochastic, distributed, hybrid, and mobile systems; models of software security.
ICALP (Track B)
Topics of the last CfP in common with CONCUR: Automata, Logic, and Games; Formal and Logical Aspects of Security and Privacy; Models of Concurrent, Distributed, and Mobile Systems; Models of Reactive, Hybrid, and Stochastic Systems; Principles and Semantics of Programming Languages; Program Analysis, Verification, and Synthesis.
LICS
Topics of the last CfP in common with CONCUR: automata theory, concurrency and distributed computation, formal aspects of program analysis, formal methods, foundations of probabilistic, real-time and hybrid systems, games and logic, modal and temporal logics, model checking, process calculi, reasoning about security and privacy, verification.
MFCS
Topics of the last CfP in common with CONCUR: automata and formal languages, computer-aided verification, concurrency theory, cyber physical systems, formal specifications and program development, logics in computer science, parallel and distributed computing, semantics and verification of programs
PODC
Topics of the last CfP in common with CONCUR: concurrency, synchronization, and persistence; design and analysis of distributed algorithms;fault-tolerance, reliability, self-organization, and self-stabilization; game-theoretic approaches to distributed computing; languages, verification, and formal methods for distributed systems; population protocols; security and cryptography in distributed computing; specifications and semantics; wireless, sensor, mesh, and ad hoc networks.
STACS
Topics of the last CfP in common with CONCUR: automata theory, games, models of computation, semantics, program analysis, specification & verification.
TACAS
Topics of the last CfP in common with CONCUR: specification and verification techniques; analytical techniques for real-time, hybrid, or stochastic systems; analytical techniques for safety, security, or dependability; model checking; static and dynamic program analysis; abstraction techniques for modeling and verification; compositional and refinement-based methodologies; system construction and transformation techniques; machine-learning techniques for synthesis and verification.

Other Information

Other Relvant Info

Other relevant information: In 2015 CONCUR made the deliberate choice to move from Lecture Notes in Computer Science to LIPIcs, the conference proceeding series established by Schloss Dagstuhl - Leibniz Center for Informatics. The LIPIcs series follows an Open Access policy where authors retain copyright.
CONCUR has a Wikipedia page at
https://en.wikipedia.org/wiki/International_Conference_on_Concurrency_Theory

Attachments

N/A

Proposers

First name: Javier
Last name: Esparza
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First name: Joost-Pieter
Last name: Katoen
Affiliation: RWTH Aachen
Email: katoen@cs.rwth-aachen.de

Submitted By

Name: Esparza Javier
Email: esparza@in.tum.de