



**Submission data for 2023 CORE conference ranking process
European Dependable Computing Conference**

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Introductory Questions

Conference

Title: European Dependable Computing Conference
Acronym : EDCC
Rank: Unranked

Requested Rank

Rank: B

Conference Details

Month: September
Publisher: IEEE
Bi-annual: False
Multiconference: False
Component in a multi-conference or umbrella event: False
Colocated with other events: True
Colocated event description: Workshops
Event relationship description: The first day of the conference is devoted to the workshops. All of them focus on aspects and systems requiring dependability research, such as railway, automotive, autonomous or software resilient systems. A list with last year's (2022) workshops can be found at <https://webdiis.unizar.es/EDCC22/workshops.html>.
Alternative content: False

Proceedings Publishing Style

Proceedings Publishing: self-contained
Link to most recent proceedings: <https://ieeexplore.ieee.org/xpl/conhome/9933166/proceeding>
Further details: Only main-track accepted papers are included in the conference proceedings. Industrial panel papers and co-joint workshops are not included in the proceedings and are published in supplemental volumes.

Most Recent Years

Most Recent Year

Year: 2022
URL: <https://webdiis.unizar.es/EDCC22/>
Location: Zaragoza, Spain
Papers submitted: 35
Papers published: 13
Acceptance rate: 37
Source for numbers: <https://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=9933193>

General Chairs

Name: José Merseguer
Affiliation: University of Zaragoza
Gender: M
H Index: 27
G Scholar url: <https://scholar.google.se/citations?hl=en&user=oISPwPEAAAAJ>
DBLP url: <https://dblp.org/pid/96/1916.html>

Name: Simona Bernardi
Affiliation: University of Zaragoza
Gender: F
H Index: 23
G Scholar url: <https://scholar.google.se/citations?hl=en&user=q8HvpMgAAAAJ>
DBLP url: <https://dblp.org/pid/42/4775.html>

Program Chairs

Name: Simin Nadjm-Tehrani
Affiliation: Linköping University
Gender: F
H Index: 33
G Scholar url: <https://scholar.google.se/citations?user=NtK1ejoAAAAJ&hl=en>
DBLP url: <https://dblp.org/pid/n/SiminNadjmTehrani.html>

Second Most Recent Year

Year: 2021
URL: <https://edcc2021.iks.fraunhofer.de/>
Location: Munich, Germany
Papers submitted: 38
Papers published: 16
Acceptance rate: 42
Source for numbers: <https://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=9603635>

General Chairs

Name: Michael Paulitsch
Affiliation: Intel
Gender: M
H Index: 23
G Scholar url: https://scholar.google.se/citations?hl=en&user=Xdy_LywAAAAJ
DBLP url: <https://dblp.org/pid/79/3385.html>

Name: Mario Trapp
Affiliation: Fraunhofer Institute for Cognitive Systems IKS
Gender: M
H Index: 22
G Scholar url: <https://scholar.google.se/citations?hl=en&user=BljrdnEAAAAJ>
DBLP url: <https://dblp.org/pid/81/2582.html>

Program Chairs

Name: Jérémie Guiochet
Affiliation: LAAS-CBRS
Gender: M
H Index: 22
G Scholar url: <https://scholar.google.se/citations?hl=en&user=yxa9u84AAAAJ>
DBLP url: <https://dblp.org/pid/00/905.html>

Third Most Recent Year

Year: 2020
URL: <https://edcc2020.iks.fraunhofer.de/>
Location: Munich, Germany
Papers submitted: 45
Papers published: 18
Acceptance rate: 40
Source for numbers: <https://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=9237015>

General Chairs

Name: Michael Paulitsch
Affiliation: Intel
Gender: M
H Index: 23
G Scholar url: https://scholar.google.se/citations?hl=en&user=Xdy_LywAAAAJ
DBLP url: <https://dblp.org/pid/79/3385.html>

Name: Mario Trapp
Affiliation: Fraunhofer Institute for Cognitive Systems IKS
Gender: M
H Index: 22
G Scholar url: <https://scholar.google.se/citations?hl=en&user=BljrdnEAAAAJ>
DBLP url: <https://dblp.org/pid/81/2582.html>

Program Chairs

Name: Elena Troubitsyna
Affiliation: KTH – Royal Institute of Technology, Sweden
Gender: F
H Index: 22
G Scholar url: <https://scholar.google.se/citations?hl=en&user=wQrIOoAAAAJ>
DBLP url: <https://dblp.org/pid/84/4265.html>

Policies

Chair Selection: The selection of the conference General chair (GC) is the responsibility of the conference Steering Committee (SC), which holds and regularly updates a list of possible GC and PC chairs. The future GCs are selected among those well-recognized researchers that have contributed somehow to the organization and success of previous EDCC editions. It is also possible for a candidate to address an expression of interest to the SC. All candidatures are presented during the conference business meeting organized on the last day of the conference. After that, and considering the feedback provided by the audience, the Steering committee decides, which is officially communicated to the community at the end of each EDCC edition. The GC collaborates with the Steering Committee to nominate the next PC chair. Any PC chair must have already contributed as PC member of a previous EDCC edition. No one can act as PC member during more than 5 consecutive EDCC editions. The GC nominates the chairs of the rest of the conference tracks in collaboration with the Steering Committee.

No Policies.

Program Committee

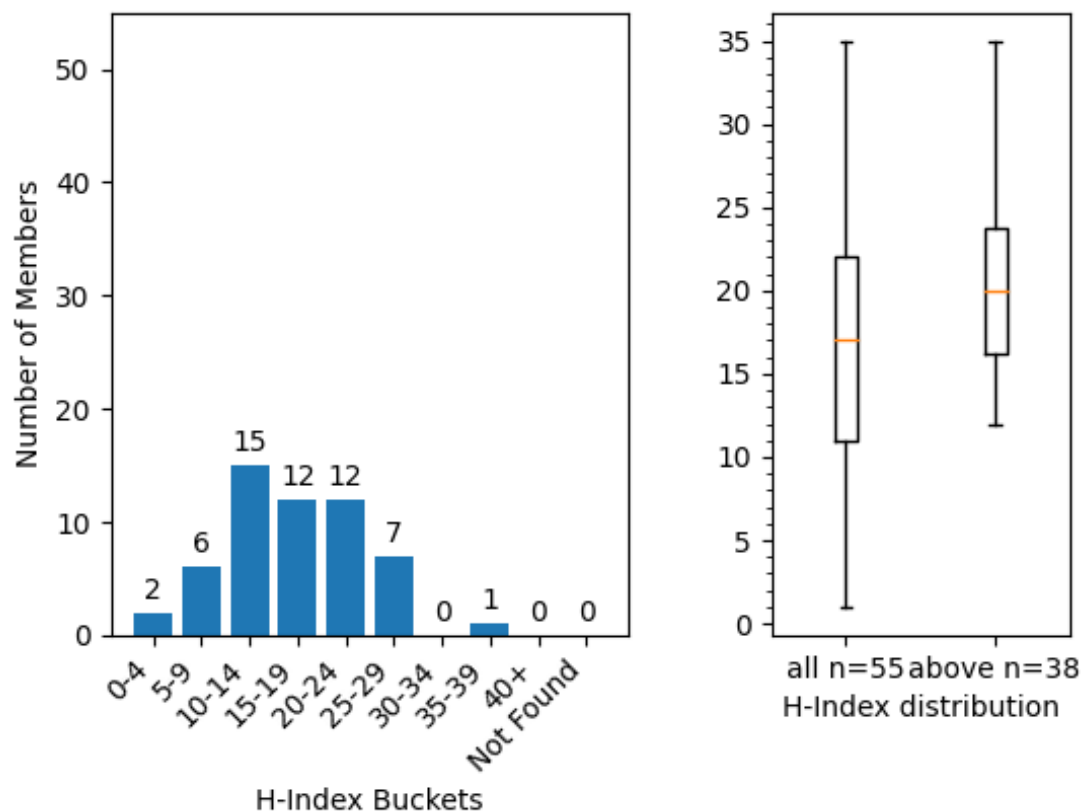
Link to pc: <https://webdiis.unizar.es/EDCC22/committees.html>

File: http://portal.core.edu.au/core/media/2023/pc_members/2021.EDCC_PCSC_mI8Y2Ro.txt

H-index plot: http://portal.core.edu.au/core/media/2023/pc_graphs/higherrank_hindex_buckets_2182.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/higherrank2182_spc_report.csv

WPP Report: http://portal.core.edu.au/core/media/2023/wpp_reports/mzf2HqxF.txt

1. European Dependable Computing Conference (EDCC)

Core Rank: Unranked

This venue was published at 30 times by 15 of 30 individuals in the last 5+ years.

The individuals that publish at this venue are: Marco Paulo Amorim Vieira(9), Marcello Cinque(6), Henrique Madeira(3), Mario Trapp(2), Alexander B. Romanovsky(1), Barbara Gallina(1), Enrico Vicario(1), Ewen Denney(1), Felicita Di Giandomenico(1), Ilir Gashi(1), Istvan Majzik(1), Jean-Charles Fabre(1), Marta Patino-Martinez(1), Michel Cukier(1), Radu Calinescu(1)

In 2018, there were 10 publications by 8 individuals: Barbara Gallina, Felicita Di Giandomenico, Henrique Madeira, Ilir Gashi, Marcello Cinque, Marco Paulo Amorim Vieira, Mario Trapp, Marta Patino-Martinez

In 2019, there were 6 publications by 5 individuals: Ewen Denney, Henrique Madeira, Marcello Cinque, Marco Paulo Amorim Vieira, Michel Cukier

In 2020, there were 4 publications by 3 individuals: Alexander B. Romanovsky, Marco Paulo Amorim Vieira, Mario Trapp

In 2021, there were 7 publications by 6 individuals: Enrico Vicario, Henrique Madeira, Istvan Majzik, Jean-Charles Fabre, Marcello Cinque, Marco Paulo Amorim Vieira

In 2022, there were 3 publications by 3 individuals: Marcello Cinque, Marco Paulo Amorim Vieira, Radu Calinescu

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

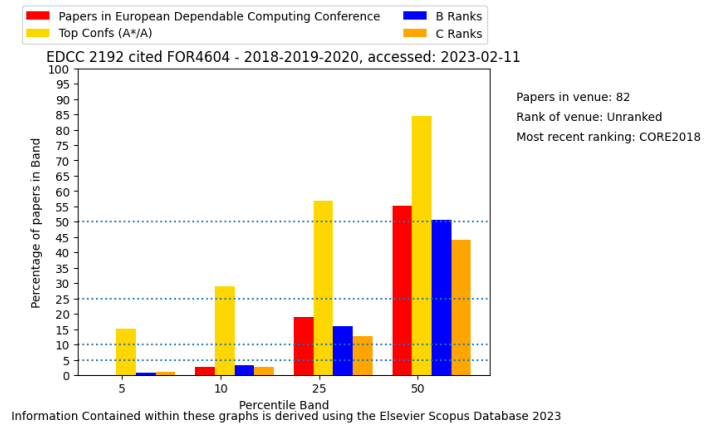
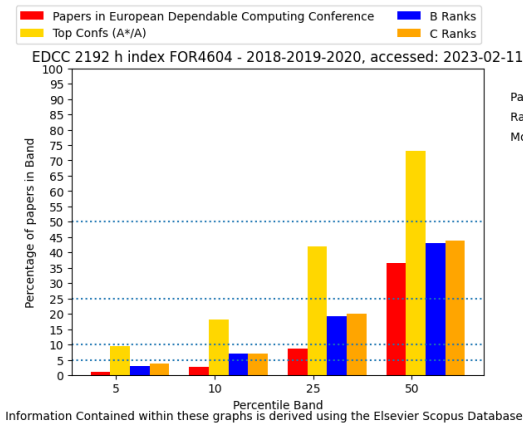
4 out of the 30 individuals published at this venue in 2 or more years

3 out of the 30 individuals published at this venue in 3 or more years

2 out of the 30 individuals published at this venue in 4 or more years

1 out of the 30 individuals published at this venue in 5 or more years

Centile graphs of paper metrics



Top People Involvement

name: Marco vieira

h-index: 37

Google Scholar URL: <https://scholar.google.ca/citations?user=l3cFOLoAAAAJ&hl=en>

Justification: - Full Professor at the University of Coimbra (Portugal) - Chair of the IFIP WG10.4 on Dependable Computing and Fault Tolerance - Steering Committee Vice-Chair of the IEEE/IFIP Int. Conference on Dependable Systems and Networks - 2023 Conference co-chair of IEEE/IFIP Int. Conference on Dependable Systems and Networks

Paper counts:

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

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

name: Michel Raynal

h-index: 64

Google Scholar URL: <https://scholar.google.com/citations?user=d3BBqmgAAAAJ&hl=es>

Justification: - 2010: Senior Member, Institut Universitaire de France - 2015: Prize for Innovation in Distributed Computing (SIROCCO award) - 2015: Member of Academia Europaea - 2018 : IEEE award for Outstanding Technical Achievement in Distributed Computing - 2019: "Outstanding Career Award" from ACM Sigops France

Paper counts:

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

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

name: Henrique Madeira

h-index: 42

Google Scholar URL: <https://scholar.google.es/citations?hl=es&user=A44nqM0AAAAJ>

Justification: - Full Professor at the University of Coimbra (Portugal) - 2023 Conference co-chair of IEEE/IFIP Int. Conference on Dependable Systems and Networks

Paper counts:

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

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

name: Nuno Neves

h-index: 41

Google Scholar URL: <https://scholar.google.es/citations?hl=es&user=DKjzXc8AAAAJ>

Justification: - Full Professor at Universidade de Lisboa - Steering Committee Chair of the IFIP/IEEE Int. Conference on Dependable Systems and Networks

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: Joost-Pieter Katoen

h-index: 73

Google Scholar URL: https://scholar.google.com/citations?hl=es&user=yjj05_oAAAAJ

Justification: - Distinguished Professor of Computer Science, RWTH Aachen University and University of Twente

Paper counts:

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

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

name: William H. Sanders

h-index: 55

Google Scholar URL: <https://scholar.google.com/citations?hl=es&user=FC1nlsgAAAAJ>

Justification: University of Illinois at Urbana-Champaign - Interim Director, Discovery Partners Institute (DPI) - Herman M. Dieckamp Endowed Chair in Engineering - Head (on leave), Department of Electrical and Computer Engineering - Professor, Coordinated Science Laboratory - Affiliate Professor, Computer Science Department - Member and Founding Director, Information Trust Institute

Paper counts:

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

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

name: Geert Deconinck

h-index: 48

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

Justification: - EDCC 2024 chair - Full professor Faculty of Engineering Science at KU Leuven, Belgium - Head of Electrical Energy Systems and Applications (ELECTA)

Paper counts:

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

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

name: Aditya Mathur

h-index: 55

Google Scholar URL: <https://scholar.google.es/citations?user=aMHx8aUAAAAJ&hl=es>

Justification: - Professor at Purdue University and Singapore University of Technology and Design

Paper counts:

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

Attendance: Occasionally (< 20% of the time)

name: John Grundy

h-index: 63

Google Scholar URL: <https://scholar.google.com/citations?hl=es&user=bbEQGY8AAAAJ>

Justification: - Australian Laureate Fellow and Professor of Software Engineering, Faculty of IT, Monash University

Paper counts:

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

Attendance: Occasionally (< 20% of the time)

name: Domenico Cotroneo

h-index: 39

Google Scholar URL: <https://scholar.google.es/citations?hl=es&user=tkVCr4EAAAAJ>

Justification: - Full Professor at Naples University - EDCC 2019 General Chair - Vice Chair of the IEEE Technical Community on Dependable Computing and Fault Tolerance - Steering Committee of the IEEE/IFIP Int. Conf. on Dependable Systems and Networks

Paper counts:

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

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

Additional Data

Google Scholar Data

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

Position in sub-category: 20+

h5 index of 20th item in category: 20

h5 index for this conference: 14

Relationship to similar conferences

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

Dependability conferences focus on designing and evaluating computer-based systems with safety, integrity, reliability, availability, and resilience requirements. Other requirements related to security, such as confidentiality and intrusion tolerance, are also welcome today in many dependability conferences.

The IFIP WG10.4 on Dependable Computing and Fault Tolerance (see <https://www.dependability.org>) has long been involved with what is now the IEEE/IFIP International Conference on Dependable Systems and Networks (DSN). This conference is considered the flagship conference in the dependability domain and is currently ranked as a CORE A conference. The working group supports other conferences by providing "in-cooperation" status (see https://www.dependability.org/?page_id=71). These conferences are the International Conference on Computer Safety, Reliability and Security (SAFECOMP), the Pacific Rim on Dependable Computing (PRDC), the Latin-American Symposium on Dependable Computing (LADC), and the European Dependable Computing Conference (EDCC). DSN is typically organized during late June. From 2024, EDCC will take place in April, while the three other conferences (SAFECOMP, LADC and PRDC) are proposed from September to December. This temporal distribution means that Europe, a region with a safety-critical industry in the automotive and aerospace domains, will provide opportunities for discussion and exchange among dependability practitioners and experts twice a year. The h5-index and h5-median of EDCC are 14 and 25, respectively. SAFECOMP, with a tuple (h5-index, h5-median) of (23, 33), outperforms EDCC in both indexes, while PRDC, another CORE B conference, can be considered weaker than EDCC with a tuple (h5-index, h5-median) of (12, 20). LADC is not part of the CORE conference list and does not appear in the Google Scholar indexes.

Comparing EDCC to other CORE B conferences in the security domain, one can find the International Network and System Security (NSS) providing a tuple (h5-index, h5-median) of (14; 18). Considering these indexes, EDCC is stronger than NSS.

As the call for papers of EDCC addresses topics related to dependability in different application domains, many conferences considering, for instance, distributed systems, embedded and real-time systems, mobile systems, or artificial intelligence, also include availability, reliability or security as topics of interest. In these domains, one can also find CORE B conferences with a tuple (h5-index; h5-mean) equal to or lower than the one of EDCC in, at least, one of the tuple indexes. A non-exhaustive list of those conferences includes but is not limited to the Pacific Rim International Conference on Artificial Intelligence (PRICAI) (14; 22), the International Conference on Principles of Distributed Systems (14;25), the IEEE International Conference on Embedded and Real-Time Computing Systems and Applications (RTCSA) (16;21) or the Mobile and Ubiquitous Multimedia (16; 20).

Other Information

Other Relvant Info

Other relevant information: We join this application with the following additional information:

1. a pdf describing the evolution of the conference from a historical perspective. (see EDCC.History.pdf)
1. a pdf providing the guidelines for organizing an EDCC edition (see Guidelines_for_Organizing_EDCC.pdf). This document is typically distributed to people interested in becoming conference chair or to people proposed for the position of PC chair.
3. a pdf defining the main topics covered by the conference and the selection process that is established for selecting the papers included in the conference's main proceedings.

The proposers kindly ask evaluators to rank EDCC as a B CORE conference or to keep it unranked.

Attachments

http://portal.core.edu.au/core/media/2023/request_attachment/EDCC.History.v3.pdf

http://portal.core.edu.au/core/media/2023/request_attachment/Guidelines_for_Organizing_EDCC.v3.pdf

http://portal.core.edu.au/core/media/2023/request_attachment/EDCC.TopicsOfInterest_and_PaperSelectionProcess.v3.pdf

Proposers

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