

# Submission data for 2023 CORE conference ranking process International Conference on Data Engineering

Aamir Cheema, Ying Zhang

## **Introductory Questions**

#### Conference

Title: International Conference on Data Engineering

Acronym: ICDE

Rank: A\*

#### **Requested Rank**

Rank: A\*

#### **Conference Details**

Month: April Publisher: IEEE 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: full papers, demo papers, tutorials, PhD symposium papers, industry track papers

## **Proceedings Publishing Style**

Proceedings Publishing: self-contained

Link to most recent proceedings: https://ieeexplore.ieee.org/xpl/conhome/9835153/proceeding

Further details: ICDE 2023 proceedings is not yet available online. Therefore, this submission considers ICDE 2022 as the most recent.

## **Most Recent Years**

#### **Most Recent Year**

Year: 2022

URL: https://ieeexplore.ieee.org/xpl/conhome/9835153/proceeding

Location: Kuala Lumpur (Virtual)

Papers submitted: 780 Papers published: 211 Acceptance rate: 27

Source for numbers: https://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=9835694

## **General Chairs**

Name: Murat Kantarcioglu

Affiliation: University of Texas at Dallas, USA

Gender: M H Index: 58

GScholar url: https://scholar.google.com.au/citations?user=qXb4xQMAAAAJ&hl=en&oi=ao

DBLP url: https://dblp.org/pid/36/195.html

Name: Ali Selamat

Affiliation: Universiti Teknologi Malaysia, Malaysia

Gender: M H Index: 41

GScholar url: https://scholar.google.com.au/citations?user=dxexQZwAAAAJ&hl=en&oi=ao

DBLP url: https://dblp.org/pid/91/2951.html

Name: Divesh Srivastava

Affiliation: AT&T Labs-Research, USA

Gender: M H Index: 95

GScholar url: https://scholar.google.com.au/citations?user=kGKlHpOAAAAJ&hl=en&oi=ao

DBLP url: https://dblp.org/pid/s/DiveshSrivastava.html

## **Program Chairs**

Name: Gao Cong

Affiliation: Nanyan Technological University, Singapore

Gender: M H Index: 67

 $GS cholar\ url:\ https://scholar.google.com.au/citations?user={\tt WFF} am JkAAAAJ\&hl=en\&oi=ao$ 

DBLP url: https://dblp.org/pid/33/3180.html

Name: Stratos Idreos

Affiliation: Harvard University, USA

Gender: M H Index: 41

DBLP url: https://dblp.org/pid/i/StratosIdreos.html

Name: Feifei Li

Affiliation: Alibaba Group

Gender: M H Index: 50

GScholar url: https://scholar.google.com.au/citations?user=qPDhlWkAAAAJ&hl=en&oi=ao

DBLP url: https://dblp.org/pid/l/FeifeiLi.html

## **Second Most Recent Year**

Year: 2021

URL: https://ieeexplore.ieee.org/xpl/conhome/9458599/proceeding

Location: Chania, Greece (Virtual)

Papers submitted: 549 Papers published: 151 Acceptance rate: 28

Source for numbers: https://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=9458706

#### **General Chairs**

Name: Anastasia Ailamaki

Affiliation: EPFL Gender: F H Index: 67

GScholar url: https://scholar.google.com.au/citations?user=YdrkeNwAAAAJ&hl=en&oi=ao

DBLP url: https://dblp.org/pid/a/AnastassiaAilamaki.html

Name: Minos Garofalakis

Affiliation: Technical University of Crete and ATHENA Research Center

Gender: M H Index: 68

GScholar url: https://scholar.google.com.au/citations?user=WemX9rAAAAAJ&hl=en&oi=ao

DBLP url: https://dblp.org/pid/g/MinosNGarofalakis.html

## **Program Chairs**

Name: Sihem Amer-Yahia Affiliation: University of Grenoble

Gender: F H Index: 44

GScholar url: https://scholar.google.com.au/citations?user=rMtUkMcAAAAJ&hl=en&oi=ao

DBLP url: https://dblp.org/pid/a/SihemAmerYahia.html

Name: Reynold C.K. Cheng Affiliation: University of Hong Kong

Gender: M H Index: 46

GScholar url: https://scholar.google.com.au/citations?user=7R7MSb4AAAAJ&hl=en&oi=ao

DBLP url: https://dblp.org/pid/89/2619.html

Name: Ihab Ilyas

Affiliation: University of Waterloo

Gender: M H Index: 56

GScholar url: https://scholar.google.com.au/citations?user=YG6mTEIAAAAJ&hl=en&oi=ao

DBLP url: https://dblp.org/pid/i/IhabFIlyas.html

## **Third Most Recent Year**

Year: 2020

URL: https://ieeexplore.ieee.org/xpl/conhome/9093725/proceeding

Location: Dallas, TX, USA (Virtual)

Papers submitted: 568 Papers published: 129 Acceptance rate: 23

Source for numbers: https://ieeexplore.ieee.org/document/9101815

#### **General Chairs**

Name: Bhavani Thuraisingham

Affiliation: The University of Texas at Dallas

Gender: F H Index: 68

 $GScholar\ url:\ https://scholar.google.com.au/citations?user=o_xUNWkAAAAJ\&hl=en\&oi=ao$ 

DBLP url: https://dblp.org/pid/t/BMThuraisingham.html

Name: Elena Ferrari

Affiliation: University of Insubria

Gender: F H Index: 55

GScholar url: https://scholar.google.com.au/citations?user=kOc4beIAAAAJ&hl=en&oi=ao

DBLP url: https://dblp.org/pid/f/ElenaFerrari.html

Name: Kotagiri Ramamohanarao Affiliation: University of Melbourne

Gender: M H Index: 67 GScholar url:

DBLP url: https://dblp.org/pid/r/KRamamohanarao.html

## **Program Chairs**

Name: Murat Kantarcioglu

Affiliation: The University of Texas at Dallas

Gender: M H Index: 58

GScholar url: https://scholar.google.com.au/citations?user=qXb4xQMAAAAJ&hl=en&oi=ao

DBLP url: https://dblp.org/pid/36/195.html

Name: Dimitrios Gunopulos Affiliation: University of Athens

Gender: M H Index: 76

GScholar url: https://scholar.google.com.au/citations?user=PHJokEQAAAAJ&hl=en&oi=ao

DBLP url: https://dblp.org/pid/g/DimitriosGunopulos.html

Name: S. Sudarshan Affiliation: IIT Bombay

Gender: M H Index: 52

GScholar url: https://scholar.google.com.au/citations?user=KtP9-zYAAAAJ&hl=en&oi=ao

DBLP url: https://dblp.org/pid/s/SSudarshan1.html

#### **Policies**

Chair Selection: See Sections 3 and 4 of ICDE Bylaws: https://tc.computer.org/tcde/icde-bylaws/

The Steering Committee obtains, through open and informal solicitations, proposals for: conference locations, names of individuals who are suitable to serve as General Chair(s), individuals who are suitable to serve as Program Chair(s), and other organizational issues. Below are the rules governing the ICDE Chair Positions

- 1. The General Chair(s) and Program Chair(s) of ICDE shall normally go to new individuals each time. These individuals should be highly respected for their work in data engineering. It is especially important that these persons are active in the field, have extensive practical experience, and/or have published frequently in relevant journals and conferences. In addition, they should have significant experience in organizing international conferences (e.g., as chairs or program chairs or as program committee members of other conferences). 2. The names of the persons recommended as the General Chair(s) and Program Chair(s) shall be part of the proposal (see Section 3). At least one of the General Chairs shall be from the country hosting the conference. If the conference is outside the United States, a General Co-Chair from the United States may be preferably appointed to serve as a liaison with the IEEE Computer Society. The Steering Committee shall be free to accept or reject any recommended names for General Chair or Program Chair in order to best promote the conference.
- 3. Other conference chairs, e.g. Tutorial Chair(s), are chosen by the General Chair(s) with the advice and consent of the Steering Committee. The Program Chair(s) select the program committee vice-chairs and members with the guidance of the General Chair(s). Policy name: ICDE Bylaws

Policy url: https://tc.computer.org/tcde/icde-bylaws/

## **Program Committee**

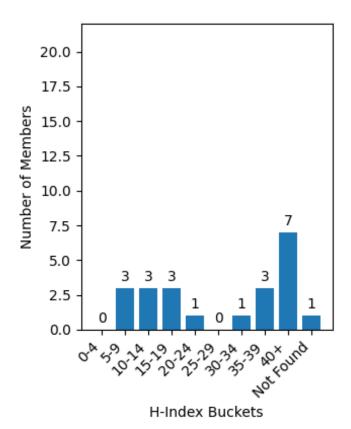
Link to pc: https://icde2022.ieeecomputer.my/research-program-committee/

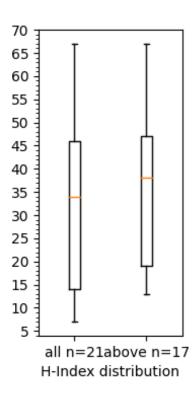
File: http://portal.core.edu.au/core/media/2023/pc\_members/SPC.txt

H-index plot: http://portal.core.edu.au/core/media/2023/pc\_graphs/higherrank\_hindex\_buckets\_2203.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/higherrank2203\_spc\_report.csv WPP Report: http://portal.core.edu.au/core/media/2023/wpp\_reports/iYSxoAUE.txt

2. IEEE International Conference on Data Engineering (ICDE) Core Rank: A\*

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This venue was published at 85 times by 11 of 13 individuals in the last 5+ years.

The individuals that publish at this venue are: Christian S. Jensen(26), Reynold Cheng(11), Xiaokui Xiao(11), Hosagrahar Visvesvaraya Jagadish(8), Nick Koudas(8), Nikos Mamoulis(8), Sourav S. Bhowmick(8), M. Tamer Ozsu(6), Kyuseok Shim(3), Khuzaima Daudjee(1), Wolfgang Gatterbauer(1)

In 2018, there were 16 publications by 6 individuals: Christian S. Jensen, Hosagrahar Visvesvaraya Jagadish, Nikos Mamoulis, Reynold Cheng, Sourav S. Bhowmick, Xiaokui Xiao

In 2019, there were 19 publications by 7 individuals: Christian S. Jensen, Hosagrahar Visvesvaraya Jagadish, M. Tamer Ozsu, Nick Koudas, Reynold Cheng, Sourav S. Bhowmick, Xiaokui Xiao

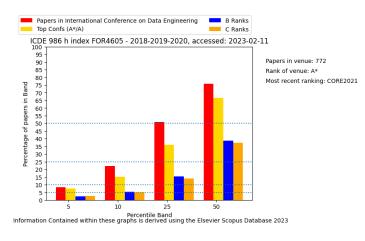
In 2020, there were 18 publications by 9 individuals: Christian S. Jensen, Khuzaima Daudjee, Kyuseok Shim, M. Tamer Ozsu, Nick Koudas, Nikos Mamoulis, Reynold Cheng, Sourav S. Bhowmick, Xiaokui Xiao

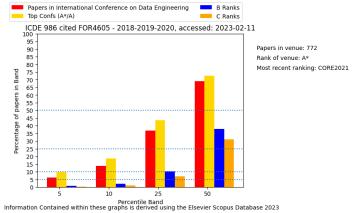
In 2021, there were 16 publications by 7 individuals: Christian S. Jensen, Hosagrahar Visvesvaraya Jagadish, Kyuseok Shim, Nick Koudas, Nikos Mamoulis, Sourav S. Bhowmick, Xiaokui Xiao

In 2022, there were 16 publications by 7 individuals: Christian S. Jensen, M. Tamer Ozsu, Nick Koudas, Nikos Mamoulis, Sourav S. Bhowmick, Wolfgang Gatterbauer, Xiaokui Xiao

11 out of the 13 individuals published at this venue in 1 or more years 9 out of the 13 individuals published at this venue in 2 or more years 8 out of the 13 individuals published at this venue in 3 or more years 5 out of the 13 individuals published at this venue in 4 or more years 3 out of the 13 individuals published at this venue in 5 or more years

## Centile graphs of paper metrics





#### **Top People Involvement**

name: Chrisitan S. Jensen

h-index: 96

Google Scholar URL: https://scholar.google.com.au/citations?hl=en&user=wo20cPYAAAAJ

Justification: ACM Fellow, IEEE Fellow https://csj.cs.aau.dk/

Paper counts:

Most Recent:	Second most recent:	Third most recent:	Fourth most recent:	Fifth most recent:
6	4	6	4	6

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

name: Xuemin Lin h-index: 73

Google Scholar URL: https://scholar.google.com.au/citations?user=j6rglkYAAAAJ&hl=en

Justification: IEEE Fellow

Paper counts:

Most Recent:	Second most recent:	Third most recent:	Fourth most recent:	Fifth most recent:
17	10	12	0	5

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

name: Lei Chen h-index: 77

Google Scholar URL: https://scholar.google.com.au/citations?user=gtglwgYAAAAJ&hl=en&oi=ao

Justification: IEEE Fellow ACM Distinguished Scientist https://cse.hkust.edu.hk/~leichen/

Paper counts:

Most Recent:	Second most recent:	Third most recent:	Fourth most recent:	Fifth most recent:
11	7	7	13	12

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

name: Divesh Srivastava

h-index: 95

 $\label{lem:complex} \textbf{Google Scholar URL: } \textbf{https://scholar.google.com/citations?user=kGKlHpOAAAAJ\&hl=encomplex.google.com/citations?user=kGKlHpOAAAAJ\&hl=encomplex.google.com/citations?user=kGKlHpOAAAAJ\&hl=encomplex.google.com/citations?user=kGKlHpOAAAAJ&hl=encomplex.google.com/citations?user=kGKlHpOAAAAJ&hl=encomplex.google.com/citations?user=kGKlHpOAAAAJ&hl=encomplex.google.com/citations?user=kGKlHpOAAAAJ&hl=encomplex.google.com/citations?user=kGKlHpOAAAAJ&hl=encomplex.google.com/citations?user=kGKlHpOAAAAJ&hl=encomplex.google.com/citations.google.com/citations.google.com/citations.google.com/citations.google.com/citations.google.com/citations.google.com/citations.google.com/citations.google.com/citations.google.com/citations.google.com/citations.google.com/citations.google.com/citations.google.com/citations.google.com/citations.google.com/citations.google.com/citations.google.com/citations.google.com/citations.google.com/citations.google.com/citations.google.com/citations.google.com/citations.google.com/citations.google.com/citations.google.com/citations.google.com/citations.google.com/citations.google.com/citations.google.com/citations.google.com/citations.google.com/citations.google.com/citations.google.com/citations.google.com/citations.google.com/citations.google.com/citations.google.com/citations.google.com/citations.google.com/citations.google.com/citations.google.com/citations.google.com/citations.google.com/citations.google.com/citations.google.com/citations.google.com/citations.google.com/citations.google.com/citations.google.com/citations.google.com/citations.google.com/citations.google.com/citations.google.com/citations.google.com/citations.google.com/citations.google.com/citations.google.com/citations.google.com/citations.google.com/citations.google.com/citations.google.com/citations.google.com/citations.google.com/citations.google.com/citations.google.com/citations.google.com/citations.google.com/citations.google.com/citations.google.com/citations.google.com/citations.google.com/citations.go$ 

Justification: ACM Fellow

Paper counts:

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

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

name: Xiaofang Zhou

h-index: 67

Google Scholar URL: https://scholar.google.com/citations?user=y6m820wAAAAJ&hl=en&oi=ao

Justification: IEEE Fellow https://sites.google.com/view/xiaofang-zhou

Paper counts:

Most Recent:	Second most recent:	Third most recent:	Fourth most recent:	Fifth most recent:
4	7	5	7	5

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

name: Philip S. Yu h-index: 184

Google Scholar URL: https://scholar.google.com/citations?user=D0lL1r0AAAAJ&hl=en&oi=ao

Justification: ACM Fellow IEEE Fellow Almost 170K citations

Paper counts:

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

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

name: Beng Chin Ooi

h-index: 89

Google Scholar URL: https://scholar.google.com/citations?user=9560QjYAAAAJ&hl=en

Justification: ACM Fellow IEEE Fellow https://www.comp.nus.edu.sg/~ooibc/

Paper counts:

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

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

name: Guoliang Li h-index: 67

Google Scholar URL: https://scholar.google.com.au/citations?user=Pi89P8kAAAAJ&hl=en&oi=ao

Justification: VLDB 2017 Early Research Contribution Award, TCDE 2014 Early Career Award, CIKM 2017 Best Paper Award, KDD

2018 Best Papers, ICDE 2018 Best Papers https://dbgroup.cs.tsinghua.edu.cn/ligl/index.html

Paper counts:

Most Recent:	Second most recent:	Third most recent:	Fourth most recent:	Fifth most recent:
3	5	7	5	8

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

name: Feifei Li h-index: 50

Google Scholar URL: https://scholar.google.com/citations?user=qPDhlWkAAAAJ Justification: ACM Fellow IEEE Fellow https://users.cs.utah.edu/~lifeifei/

Paper counts:

Most Recent:	Second most recent:	Third most recent:	Fourth most recent:	Fifth most recent:
5	1	1	1	2

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

name: Jian Pei h-index: 103

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

Justification: ACM Fellow IEEE Fellow https://sites.google.com/view/jpei/jian-peis-homepage?authuser=0

Paper counts:

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

Attendance: Occasionally (< 20% of the time)

#### Area Leaders publishing

Keyword

Method of selection: All of these people are IEEE Fellows working in the areas relevant to ICDE.

	name	h-index	gscholar url
Ī	Charu Aggarwal	135	https://scholar.google.com/citations?user=x_wsduUAAAAJ&hl=en&oi=ao
	Rakesh Agrawal	107	https://scholar.google.com/citations?user=4XSG7v4AAAAJ&hl=en&oi=ao
	Walid G. Aref	62	https://scholar.google.com/citations?user=vX45evgAAAAJ&hl=en&oi=ao
	Elisa Bertino	108	https://scholar.google.com/citations?user=EfuT9RoAAAAJ&hl=en&oi=ao
	Mihcael J. Carey	90	https://scholar.google.com/citations?user=B8tFrksAAAAJ&hl=en&oi=ao
	Feifei Li	50	https://scholar.google.com/citations?user=qPDhlWkAAAAJ&hl=en&oi=ao
	Guoliang Li	67	https://scholar.google.com/citations?user=Pi89P8kAAAAJ&hl=en&oi=ao
	Xuemin Lin	73	https://scholar.google.com/citations?user=j6rglkYAAAAJ&hl=en&oi=ao
	M. Tamer Özsu	64	https://scholar.google.com/citations?user=dwxm_CoAAAAJ&hl=en&oi=ao
d:	Cyrus Shahabi	74	https://scholar.google.com/citations?user=jEdhxGMAAAAJ&hl=en&oi=ao
	Shashi Shekhar	70	https://scholar.google.com/citations?user=p26NfLgAAAAJ&hl=en&oi=ao
	S. Sudarshan	52	https://scholar.google.com/citations?user=KtP9-zYAAAAJ&hl=en&oi=ao
	Philip S. Yu	184	https://scholar.google.com/citations?user=D01L1r0AAAAJ&hl=en&oi=ao
	Jian Pei	103	https://scholar.google.com/citations?user=zIMEVKsAAAAJ&hl=en&oi=ao
	Xiaofang Zhou	67	https://scholar.google.com/citations?user=y6m820wAAAAJ&hl=en&oi=ao
	Mohamed F. Mokbel	57	https://scholar.google.com/citations?user=GHz1ZVIAAAAJ&hl=en&oi=ao
	Lei Chen	77	https://scholar.google.com/citations?user=gtglwgYAAAAJ&hl=en&oi=ao
	Christian S. Jensen	96	https://scholar.google.com/citations?user=wo20cPYAAAAJ&hl=en&oi=ao
	Beng Chin Ooi	89	https://scholar.google.com/citations?user=9560QjYAAAAJ&hl=en&oi=ao
	Sharad Mehrotra	66	https://scholar.google.com/citations?user=MTZaRW4AAAAJ&hl=en&oi=ao

## WPP Report: http://portal.core.edu.au/core/media/2023/wpp\_reports/k7z2gNZF.txt

1. IEEE International Conference on Data Engineering (ICDE)

Core Rank: A\*

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This venue was published at 75 times by 10 of 11 individuals in the last 5+ years.

The individuals that publish at this venue are: Christian S. Jensen(26), Jian Pei(9), Philip S. Yu(7), Beng Chin Ooi(6), Cyrus Shahabi(6), M. Tamer Ozsu(6), Elisa Bertino(5), Walid G. Aref(4), Mohamed F. Mokbel(3), Sharad Mehrotra(3)

In 2018, there were 12 publications by 6 individuals: Christian S. Jensen, Cyrus Shahabi, Elisa Bertino, Jian Pei, Philip S. Yu, Walid G. Aref

In 2019, there were 10 publications by 6 individuals: Christian S. Jensen, Cyrus Shahabi, Jian Pei, M. Tamer Ozsu, Sharad Mehrotra, Walid G. Aref

In 2020, there were 21 publications by 9 individuals: Beng Chin Ooi, Christian S. Jensen, Cyrus Shahabi, Elisa Bertino, Jian Pei, M. Tamer Ozsu, Mohamed F. Mokbel, Philip S. Yu, Sharad Mehrotra

In 2021, there were 14 publications by 6 individuals: Beng Chin Ooi, Christian S. Jensen, Cyrus Shahabi, Jian Pei,

Philip S. Yu, Walid G. Aref

In 2022, there were 18 publications by 7 individuals: Beng Chin Ooi, Christian S. Jensen, Elisa Bertino, Jian Pei, M. Tamer Ozsu, Mohamed F. Mokbel, Philip S. Yu

10 out of the 11 individuals published at this venue in 2 or more years 8 out of the 11 individuals published at this venue in 3 or more years 4 out of the 11 individuals published at this venue in 4 or more years 2 out of the 11 individuals published at this venue in 5 or more years

#### **Additional Data**

#### **Google Scholar Data**

 $Sub-category\ url:\ https://scholar.google.com.au/citations?view\_op=top\_venues\&hl=en\&vq=eng\_databasesinformationsystems.$ 

Position in sub-category: 10

h5 index of 20th item in category: 38 h5 index for this conference: 55

### Relationship to similar conferences

Partial ordering of similar conferences in the area, with argument as to where the current venue fits and why: SIGMOD ICDM EDBT VLDB ICDT PODS

#### Other Information

#### **Attachments**

N/A

## **Proposers**

First name: Aamir Last name: Cheema

Affiliation: Monash University
Email: aamir.cheema@monash.edu

First name: Ying Last name: Zhang

Affiliation: University of Technology Sydney

Email: Ying.Zhang@uts.edu.au

## **Submitted By**

Name: Cheema Muhammad Aamir Email: cheema154@gmail.com