Submission Data for 2020-2021 CORE conference Ranking process
International Conference on Mobile Data Management

Panos Chrysanthis, Arkady Zaslavsky

Conference Details

Conference

Title: International Conference on Mobile Data Management
Acronym : MDM
Rank: C

Requested Rank

Rank: A

Recent Years

Proceedings Publishing Style

Proceedings Publishing: self-contained
Link to most recent proceedings: `https://www.computer.org/csdl/proceedings/mdm/2020/1m6hAQtFpS0`
Further details: The Publisher is IEEE Press as an IEEE sponsored conference.
The proceedings are organized in different sections, one for each track of the main conference (i.e., Research, Industry, and Demo) and one for each colocated workshops including the PhD Forum.
The main conference sections are organized in sessions and special tracks. Short papers are either grouped in a separate Short Paper session or marked as short papers.

Most Recent Years

Most Recent Year

Year: 2019
URL: `https://www.comp.hkbu.edu.hk/mdm2019`
Location: Hong Kong
Papers submitted: 82
Papers published: 24
Acceptance rate: 29
Source for numbers: `https://www.computer.org/csdl/pds/api/csdl/proceedings/download-article/1ckrP0QoVXi/pdf`

General Chairs

Name: Christian S Jensen Affiliation: Aalborg University, Denmark Gender: M H Index: 55 GScholar url: `https://scholar.google.com/citations?user=wo20cPYAAAAJ&hl=en` DBLP url: `https://dblp.org/pid/j/ChristianSJensen.html`
Name: Dik Lee Affiliation: Hong Kong University of Science and Technology, Hong Kong) Gender: SELECT H Index: 55 GScholar url: `https://scholar.google.com/citations?user=bW4G78gAAAAJ&hl=fr` DBLP url: `https://dblp.org/pid/l/DikLunLee.html`
Name: Ling Liu Affiliation: Georgia Institute of Technology, USA Gender: F H Index: 70 GScholar url: `https://scholar.google.com/citations?user=VIwtdckAAAAJ&hl=en` DBLP url: `https://dblp.org/pid/l/LingLiu.html`

Program Chairs

Name: Mohamed F. Mokbel Affiliation: Qatar Computing Research Institute, Qatar Gender: M H Index: 56 GScholar url: https://scholar.google.com/citations?user=GHz1ZVIAAAAJ&hl=en DBLP url: https://dblp.org/pid/94/5893.html
Name: Jianliang Xu Affiliation: Hong Kong Baptist University, Hong Kong Gender: M H Index: 49 GScholar url: https://scholar.google.com/citations?user=LJNsBeoAAAAJ&hl=en DBLP url: https://dblp.org/pid/x/JianliangXu.html
Name: Demetrios Zeinalipour-Yazti Affiliation: University of Cyprus, Cyprus Gender: M H Index: 28 GScholar url: https://scholar.google.com/citations?user=HCxwGIkAAAAJ&hl=en DBLP url: https://dblp.org/pid/z/DemetriosZeinalipourYazti.html

Second Most Recent Year

Year: 2018
URL: https://mdmconferences.org/mdm2018/
Location: Aalborg, Denmark
Papers submitted: 71
Papers published: 19
Acceptance rate: 27
Source for numbers: https://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=8411246

General Chairs

Name: Anupam Joshi Affiliation: University of Maryland Baltimore County, USA Gender: M H Index: 84 GScholar url: https://scholar.google.com/citations?user=sJ7wlksAAAAJ&hl=en DBLP url: https://dblp.org/pid/j/AnupamJoshi.html
Name: Simonas Saltenis Affiliation: Aalborg University, Denmark Gender: M H Index: 23 GScholar url: https://scholar.google.com/citations?user=KOl79_wAAAAJ&hl=en DBLP url: https://dblp.org/pid/48/2122.html
Name: Xiaofang Zhou Affiliation: University of Queensland, Australia Gender: M H Index: 56 GScholar url: https://scholar.google.com/citations?user=y6m820wAAAAJ&hl=en DBLP url: https://dblp.org/pid/z/XiaofangZhou.html

Program Chairs

Name: Takahiro Hara
Affiliation: Osaka University, Japan
Gender: M
H Index: 39
GScholar url: https://scholar.google.com/citations?user=Ly6jrBoAAAAJ&hl=en
DBLP url: https://dblp.org/pid/40/2808.html

Name: Wang-Chien Lee
Affiliation: Pennsylvania State University, USA
Gender: M
H Index: 67
GScholar url: https://scholar.google.com/citations?user=9OdHL5wAAAAJ&hl=en
DBLP url: https://dblp.org/pid/14/716.html

Name: Bin Yang
Affiliation: Aalborg University, Denmark
Gender: M
H Index: 35
GScholar url: https://scholar.google.com/citations?user=qjBQhoUAAAAJ&hl=en
DBLP url: https://dblp.org/pid/77/377-2.html

Third Most Recent Year

Year: 2017
URL: https://mdmconferences.org/mdm2017/
Location: KAIST, Daejeon
Papers submitted: 75
Papers published: 20
Acceptance rate: 27
Source for numbers: https://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7962424

General Chairs

Name: Wang-Chien Lee
Affiliation: Pennsylvania State University, USA
Gender: M
H Index: 67
GScholar url: https://scholar.google.com/citations?user=9OdHL5wAAAAJ&hl=en
DBLP url: https://dblp.org/pid/14/716.html

Name: Junehwa Song
Affiliation: KAIST, Korea,
Gender: M
H Index: 37
GScholar url: https://scholar.google.co.kr/citations?user=CatfK3MAAAAJ&hl=en
DBLP url: https://dblp.org/pid/09/2409.html

Program Chairs

Name: Walid Aref
Affiliation: Purdue, USA,
Gender: M
H Index: 58
GScholar url: https://scholar.google.com/citations?user=vX45evgAAAAJ&hl=en
DBLP url: https://dblp.org/pid/a/WGAref.html

Name: Vana Kalogeraki
Affiliation: Athens Univ. of Econ & Business, Greece
Gender: F
H Index: 36
GScholar url: https://scholar.google.com/citations?user=2lpWTDYAAAAJ&hl=en
DBLP url: https://dblp.org/pid/k/VanaKalogeraki.html

Name: Seungwoo Kang
Affiliation: KOREATECH, Korea
Gender: M
H Index: 15
GScholar url: https://scholar.google.com/citations?user=vEGvQXQAAAAJ&hl=en
DBLP url: https://dblp.org/pid/79/3003.html

Policies

Chair Selection: MDM has a five-year rotation, it alternates between Asia-Oceania and Europe-Middle East for four years and on the fifth year it takes place in the Americas. Every year during the business meeting, the following year's conference is announced and proposals for future organizations according to the rotation schedule are called. Proposals are required to specify at the minimum the General Chairs, PC chairs, and local organizersâĂŤMDM has three General Co-Chairs and three PC Co-Chairs, one from each geographical region.

The steering committee asserts the qualifications for the chairs and if necessarily makes recommendations for substitutions to ensure experience, renewal, and inclusion. The qualifications include significant contributions to the broad area of data management and to the mobile data management in particular, past participation in MDM, and past experience in conference and workshop organizations.

The steering committee consists of the General and PC Chairs of the three most recent MDM organizations on a volunteer basis and coordinated by five senior members of MDM. Currently the coordinators are Prof. Panos K. Chrysanthis (University of Pittsburgh, USA) and Prof. Arkady Zaslavsky (Deakin University, Australia).

Policy name: IEEE Organizational Ethics, IEEE Computer Society's statement on Diversity & Inclusion.
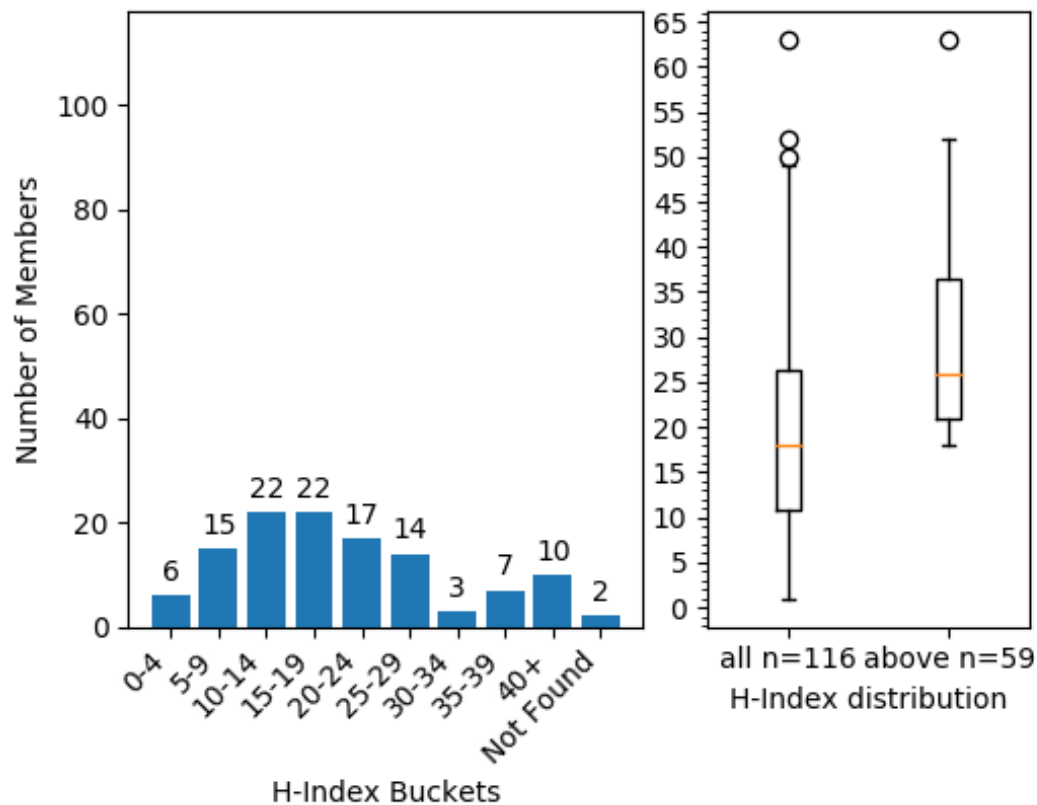Policy url: `https://www.computer.org/about/diversity-inclusion`

(Senior) Program Committee

Link to (s)pc: `http://mdmconferences.org/mdm2020/committees.html`
File: `http://portal.core.edu.au/core/media/conf_submissions_spc_file/MDMPCs_clean.txt`
H-index plot: `http://portal.core.edu.au/core/media/conf_submissions_hindex_plots/hindex_buckets_1688.png`
Information Contained within this graph is derived using the Elsevier Scopus Database 2021.

Data and Metrics

Google Scholar Metrics

Sub-category url: `https://scholar.google.com.au/citations?view_op=top_venues&hl=en&vq=eng_databasesinformationsystems`
Position in sub-category: 20+
Image of top 20: `http://portal.core.edu.au/core/media/changes_h5/higherrank1688_gscholar_minh5.PNG`

	Publication	h5-index	h5-median
1.	IEEE Transactions on Knowledge and Data Engineering	81	117
2.	International World Wide Web Conferences (WWW)	80	113
3.	International Conference on Very Large Databases	70	102
4.	ACM SIGMOD International Conference on Management of Data	66	96
5.	ACM SIGIR Conference on Research and Development in Information Retrieval	57	97
6.	International Conference on Data Engineering	56	79
7.	ACM International Conference on Web Search and Data Mining	54	95
8.	ACM International Conference on Information and Knowledge Management	54	88
9.	International Conference on Web and Social Media (ICWSM)	48	71
10.	ACM Conference on Recommender Systems	46	73
11.	Information Processing & Management	46	71
12.	Knowledge and Information Systems	43	60
13.	Information Systems	41	71
14.	IEEE International Conference on Big Data	41	52
15.	Workshop of Cross-Language Evaluation Forum	40	54
16.	ACM Transactions on Intelligent Systems and Technology (TIST)	39	65
17.	IEEE Transactions on Big Data	38	58
18.	International Semantic Web Conference	37	57
19.	Semantic Web	36	56
20.	Journal of Big Data	34	84

h5-index for this conference: 20

ACM Metrics

Not Sponsored by ACM

Aminer Rank

Aminer rank: 35
Aminer name: International Conference on Mobile Data Management
Acronym / shortname: MDM
h-5 index: 20
CCF level: C
THU level:
Top Aminer Cites: `http://portal.core.edu.au/core/media/conf_submissions_citations/higherrank1688_aminer_top_cite.PNG`

Publications

Browse by Citation

1

Bicycle-Sharing System Analysis and Trip Prediction
Jiawei Zhang, Xiao Pan, Moyin Li, Philip S. Yu
(2016)

Cited by **73**

2

Top -- k Query Based Dynamic Scheduling for IoT-enabled Smart City Waste Collection
Theodoros Anagnostopoulos, Arkady Zaslavsy, Alexey Medvedev, Sergei Khoruzhnicov
(2015)

Cited by **66**

3

A Chatbot for Psychiatric Counseling in Mental Healthcare Service Based on Emotional Dialogue Analysis and Sentence Generation
KyoJoong Oh, Dongkun Lee, ByungSoo Ko, Ho-Jin Choi
(2017)

Cited by **54**

4

SHAREK: A Scalable Dynamic Ride Sharing System
Bin Cao, Louai Alarabi, Mohamed F. Mokbel, Anas Basalamah
(2015)

Cited by **45**

5

Differentially Private Real-Time Data Release over Infinite Trajectory Streams
Yang Cao, Masatoshi Yoshikawa
(2015)

Cited by **38**

6

Outlier Detection for Multidimensional Time Series Using Deep Neural Networks
Tung Kieu, Bin Yang, Christian S. Jensen
(2018)

Cited by **37**

7

Internet of Things: Challenges and State-of-the-Art Solutions in Internet-Scale Sensor Information Management and Mobile Analytics
Arkady B. Zaslavsky, Dimitrios Georgakopoulos
(2015)

Cited by **29**

8

Scalable Spatial Crowdsourcing: A Study of Distributed Algorithms
Abdullah Alfarrarjeh, Tobias Emrich, Cyrus Shahabi
(2015)

Cited by **29**

9

ParkGauge: Gauging the Occupancy of Parking Garages with Crowdsensed Parking Characteristics
Jim Cherian, Jun Luo, Hongliang Guo, Shen-Shyang Ho, Richard Wisbrun
(2016)

Cited by **29**

10

SmartVent: A Context Aware IoT System to Measure Indoor Air Quality and Ventilation Rate
Divya Lohani, Debopam Acharya
(2016)

Cited by **28**

11

Estimating Urban Traffic Congestions with Multi-sourced Data
Senzhang Wang, Lifang He, Leon Stenneth, Philip S. Yu, ZhouJun Li, Zhiqiu Huang
(2016)

Cited by **27**

12

Presumably Simple: Monitoring Crowds Using WiFi
Cristian Chilipirea, Andreea-Cristina Petre, Ciprian Dobre, Maarten van Steen
(2016)

Cited by **25**

13

Opportunistic Computation Offloading in Mobile Edge Cloud Computing Environments
Muhammad Habib Ur Rehman, Chee Sun, Teh Ying Wah, Ahsan Iqbal, Prem Prakash Jayaraman
(2016)

Cited by **25**

14

Anyplace: A Crowdsourced Indoor Information Service
Kyriakos Georgiou, Timotheos Constambeys, Christos Laoudias, Lambros Petrou, Georgios Chatzimilioudis, Demetrios Zeinalipour-Yazti
(2015)

Cited by **23**

15

Online Clustering of Trajectory Data Stream
Ticiana L. Coelho da Silva, Karine Zeitouni, José Antônio Fernandes de Macêdo
(2016)

Cited by **23**

16

Other Rankings

Not aware of any other Rankings
Conferences in area: VLDB (A*) SIGMOD (A*) ICDE (A*) EDBT (A) CIKM (A) MDM (C) SIGSPATIAL (A) ICDT (A) SSDBM (A) SSTD (A)

Top People Publishing Here

name: Philip S. Yu
justification: As shown in `https://www.aminer.org/conference/5eeb1307b5261c744f15bce7`
H-Index: 169 `https://scholar.google.com/citations?user=D0lL1r0AAAAJ&hl=en`
Paper counts:

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

Attendance: OCCASIONALLY
name: Christian S. Jensen
justification: As shown in `https://www.aminer.org/conference/5eeb1307b5261c744f15bce7`
H-Index= 88 `https://scholar.google.com/citations?user=wo20cPYAAAAJ&hl=en&oi=ao`
Paper counts:

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

Attendance: ALWAYS
name: Dimitrios Gunopulos
justification: As shown in `https://www.aminer.org/conference/5eeb1307b5261c744f15bce7`
H-Index:73 `https://scholar.google.ca/citations?user=PHJokEQAAAAJ&hl=en`
Paper counts:

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

Attendance: ALWAYS
name: Rui Zhang
justification: As shown in `https://www.aminer.org/conference/5eeb1307b5261c744f15bce7`
H-Index=105 `https://scholar.google.ca/citations?hl=en&user=yoJqPIkAAAAJ`
Paper counts:

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

Attendance: OCCASIONALLY
name: Ouri Wolfson
justification: As shown in `https://www.aminer.org/conference/5eeb1307b5261c744f15bce7`
H-Index: 56 `https://scholar.google.ca/citations?hl=en&user=zGSP_osAAAAJ`
Paper counts:

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

Attendance: OFTEN
name: Xiaofang Zhou
justification: As shown in `https://www.aminer.org/conference/5eeb1307b5261c744f15bce7`
H-Index: 56 `https://scholar.google.ca/citations?hl=en&user=y6m820wAAAAJ`
Paper counts:

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

Attendance: SOMETIMES
name: Demetris Zeinalipour-Yazti
justification: As shown in `https://www.aminer.org/conference/5eeb1307b5261c744f15bce7`
H-Index: 28 `https://scholar.google.ca/citations?hl=en&user=HCxwGIkAAAAJ`
Paper counts:

Most Recent:	Second most recent:	Third most recent:	Fourth most recent:	Fifth most recent:
1	5	2	0	6

Attendance: ALWAYS
name: Mohamed Mokbel
justification: As shown in `https://www.aminer.org/conference/5eeb1307b5261c744f15bce7`
H-Index=56 `https://scholar.google.com/citations?user=GHz1ZVIAAAAJ&hl=en`
Paper counts:

Most Recent:	Second most recent:	Third most recent:	Fourth most recent:	Fifth most recent:
0	3	0	0	4

Attendance: ALWAYS
name: Cyrus Shahabi
justification: As shown in `https://www.aminer.org/conference/5eeb1307b5261c744f15bce7`
H-Index=68 `https://scholar.google.com/citations?user=jEdhxGMAAAAJ&hl=en`

Paper counts:

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

Attendance: OFTEN
name: Bin Yang
justification: As shown in `https://www.aminer.org/conference/5eeb1307b5261c744f15bce7`
H-Index=35 `https://scholar.google.com/citations?user=qjBQhoUAAAAJ&hl=en`
Paper counts:

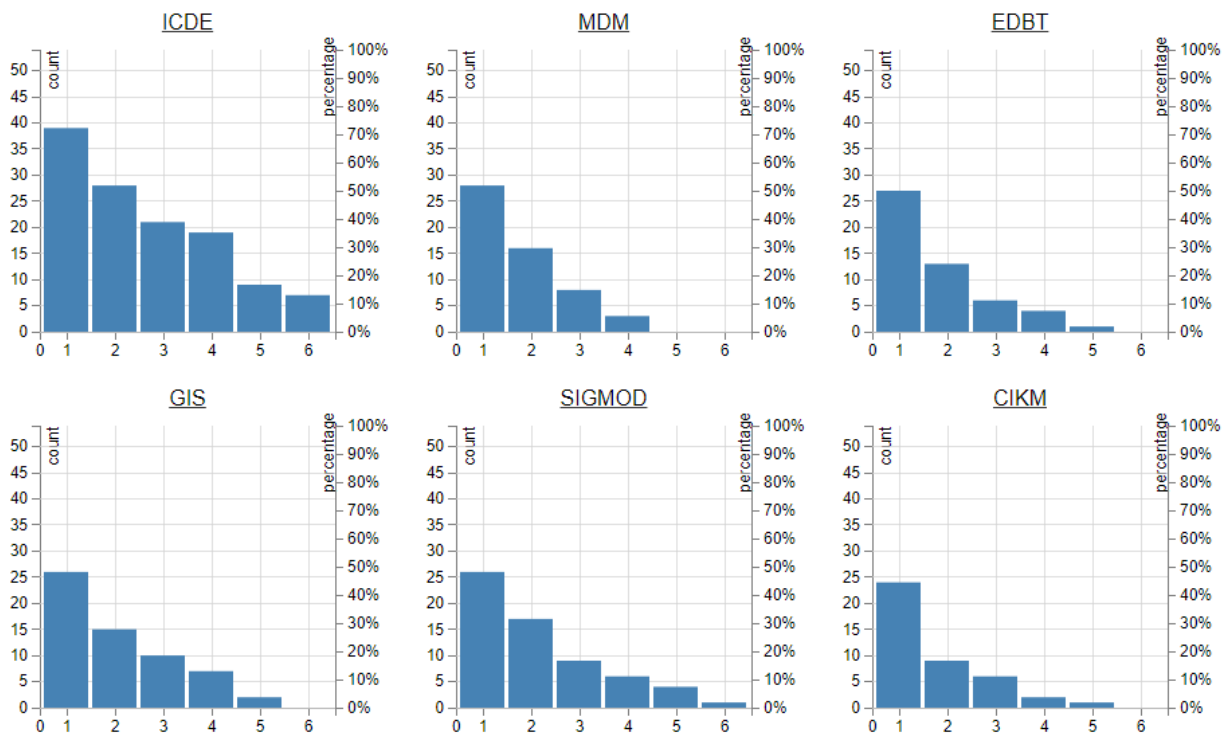| Most Recent:	Second most recent:	Third most recent:	Fourth most recent:	Fifth most recent:
2	3	0	0	0

Attendance: OFTEN

Where People Publish

Top (Senior) Program Committee Members

Generated Report Name: conf_submissions_top_spc/higherrank1688_top_spc.csv
WPP Report: `http://portal.core.edu.au/core/media/conf_rank_report/higherrank1688_spc_report.txt`
Graphs: `http://portal.core.edu.au/core/media/conf_rank_graphs/higherrank1688_spc_graph.png`


```
Reference item: \\ 2. International Conference on Mobile Data Management (MDM)
------------------------------------------------------------

This conference was published at 81 times by 28 of 54 experts in the last 5 years.

The experts that publish at this conference are: Peter Scheuermann(2), Xiaofeng Meng 0001(1), Kyriakos
Mouratidis(2), Dimitrios Gunopulos(3), Yunjun Gao(1), Sanjay Kumar Madria(11), Panagiotis Karras(3), Mario
A. Nascimento(5), Panos K. Chrysanthis(4), Man Lung Yiu(1), Gabriel Ghinita(2), Dongxiang Zhang(1), Demetrios
Zeinalipour-Yazti(14), Hongzhi Yin(1), Vana Kalogeraki(4), Raymond Chi-Wing Wong(1), Chi-Yin Chow(1), Ouri E.
Wolfson(4), Takahiro Hara(2), Moustafa Amin Youssef(1), Mohamed F. Mokbel(8), Hakan Ferhatosmanoglu(1), Wei-Shinn
Ku(1), Jianliang Xu(4), Bin Yang 0002(6), Ahmed Eldawy(1), Ralf Hartmut Gting(1), Xiaofang Zhou 0001(4)

In 2015, there were 18 publications by 8 experts: Mohamed F. Mokbel, Sanjay Kumar Madria, Demetrios
Zeinalipour-Yazti, Ahmed Eldawy, Vana Kalogeraki, Takahiro Hara, Mario A. Nascimento, Panos K. Chrysanthis
In 2016, there were 12 publications by 10 experts: Dimitrios Gunopulos, Ouri E. Wolfson, Gabriel Ghinita, Kyriakos
Mouratidis, Vana Kalogeraki, Peter Scheuermann, Sanjay Kumar Madria, Ralf Hartmut Gting, Mario A. Nascimento,
Panos K. Chrysanthis
In 2017, there were 10 publications by 9 experts: Hakan Ferhatosmanoglu, Panagiotis Karras, Demetrios
Zeinalipour-Yazti, Jianliang Xu, Bin Yang 0002, Mario A. Nascimento, Ouri E. Wolfson, Dongxiang Zhang, Xiaofeng
Meng 0001
```

```
In 2018, there were 25 publications by 15 experts: Mohamed F. Mokbel, Dimitrios Gunopulos, Yunjun Gao, Sanjay
Kumar Madria, Panagiotis Karras, Demetrios Zeinalipour-Yazti, Hongzhi Yin, Vana Kalogeraki, Jianliang Xu, Bin Yang
0002, Mario A. Nascimento, Peter Scheuermann, Gabriel Ghinita, Takahiro Hara, Xiaofang Zhou 0001
In 2019, there were 16 publications by 13 experts: Mohamed F. Mokbel, Raymond Chi-Wing Wong, Sanjay Kumar Madria,
Demetrios Zeinalipour-Yazti, Jianliang Xu, Bin Yang 0002, Panos K. Chrysanthis, Chi-Yin Chow, Man Lung Yiu,
Moustafa Amin Youssef, Wei-Shinn Ku, Xiaofang Zhou 0001, Kyriakos Mouratidis


28 out of the 54 experts published at this conference in 1 or more years
16 out of the 54 experts published at this conference in 2 or more years
8 out of the 54 experts published at this conference in 3 or more years
3 out of the 54 experts published at this conference in 4 or more years
```

Top People Report

Not providing Top People Report

Other Information

Comparator Comparison

Comparator

International Symposium on Spatial and Temporal Databases

Explanation as to why conference is superior to comparator:
MDM (C) and SSTD (A) are equivalent rank conferences. MDM has h-index 20 but SSTD does not. They are ranked 5th and 6th,
respectively, in WPP as preferred venues for top people.
They have overlapping research communities and leadership. However, MDM has broader scope covering topics beyond spatio-temporal
data. Along with ICDE, MDM is the second major conference sponsored by IEEE TCDE and has to abide to IEEE ICDE quality
requirements.
MDM acceptance rate has been stable over the years (2019:29, 2018:27 and 2017:27) as opposed to SSTD whose rate varies from year
to year (2019:31, 2018:21, 2017:38).
Lastly, MDM is more diverse gender-wise, geographically, and more balance between academia and industry. For example in 2019, PC
members distribution was 25% Americas, 38% Asia-Pacific, 35% Europe, 2% Africa; and Authors were from Brazil, China, France, Qatar,
India, USA, Germany, Hong Kong, Finland, Australia, Canada, Cyprus, Denmark, Greece, Israel, Italy, Spain, Sweden, Taiwan and UK.
Clearly, MDM is stronger in many important respects than SSTD.
Link to comparator report:
`http://portal.core.edu.au/core/media/conference_submission_2020/Data_Comparator_for_1688_1015.pdf`

Comparator

International Conference on Scientific and Statistical Data Base Management

Explanation as to why conference is superior to comparator:
MDM (C) and SSDBM (A) have overlapping topics and research communities. MDM is larger conference and has h-index of 20 whereas
SSDBM has h-index 16. The acceptance rates of MDM (2019:29, 2018:27 and 2017:27) are slightly higher than SSDBM (2019:30,
2018:31, 2017:30). As opposed to MDM which is sponsored by IEEE TCDE and has to abide to IEEE ICDE quality requirements,
SSDBM is an independent conference. Clearly, MDM is comparable if not slightly stronger than SSDBM.
Link to comparator report:
`http://portal.core.edu.au/core/media/conference_submission_2020/Data_Comparator_for_1688_1021.pdf`

Other Relvant Info

Other relevant information: MDM runs for 21 years strong without a deficit and from its onset it has considered mobile data management
in a broad sense to encompass all aspects of mobilityâĂŞaspects related to wireless, portable and tiny devices, and IoT.

Attachments

N/A

Proposers

First name: Panos
Last name: Chrysanthis
Affiliation: University of Pittsburgh, USA
Email: panos@cs.pitt.edu

First name: Arkady
Last name: Zaslavsky
Affiliation: Deakin University, Australia
Email: arkady.zaslavsky@deakin.edu.au

Submitted By

Name: Chrysanthis Panos
Email: panos@cs.pitt.edu