Submission data for 2023 CORE conference ranking process
ACM Conference on Embedded Networked Sensor Systems

Weitao Xu

Introductory Questions

Conference

Title: ACM Conference on Embedded Networked Sensor Systems
Acronym : SENSYS
Rank: A*

Requested Rank

Rank: A*

Conference Details

Month: November
Publisher: ACM
Bi-annual: False
Multiconference: False
Component in a multi-conference or umbrella event: False
Colocated with other events: True
Colocated event description: BuildSys
Event relationship description: Colocated
Alternative content: True
Alternative content description: Technical Session, Keynote, Workshop, Poster, Demo, PhD Forum, Journal Track

Proceedings Publishing Style

Proceedings Publishing: self-contained
Link to most recent proceedings: https://sensys.acm.org/2022/
Further details:

Most Recent Years

Most Recent Year

Year: 2022
URL: https://sensys.acm.org/2022/
Location: Boston, USA
Papers submitted: 187
Papers published: 52
Acceptance rate: 28
Source for numbers: https://dl.acm.org/doi/proceedings/10.1145/3560905?tocHeading=heading12

General Chairs

Name: Jeremy Gummeson Affiliation: University of Massachusetts Amherst Gender: M H Index: 23 GScholar url: https://scholar.google.com/citations?user=zMOYd5YAAAAJ&hl=en&oi=ao DBLP url: https://dblp.org/pid/59/6837.html
Name: Sunghoon Ivan Lee Affiliation: University of Massachusetts Amherst Gender: M H Index: 22 GScholar url: https://scholar.google.com/citations?user=uxmcDu8AAAAJ&hl=en&oi=ao DBLP url: https://dblp.org/pid/35/11104.html

Program Chairs

Name: Jie Gao
Affiliation: Rutgers University
Gender: F
H Index: 43
GScholar url: https://scholar.google.com/citations?user=P1CMmgEAAAAJ&hl=en&oi=ao
DBLP url: https://dblp.org/pid/g/JieGao.html

Name: Guoliang Xing
Affiliation: the Chinese University of Hong Kong
Gender: M
H Index: 52
GScholar url: https://scholar.google.com/citations?user=kI5JKs8AAAAJ&hl=en&oi=ao
DBLP url: https://dblp.org/pid/63/4542.html

Second Most Recent Year

Year: 2021
URL: https://sensys.acm.org/2021/
Location: Coimbra, Portugal
Papers submitted: 139
Papers published: 25
Acceptance rate: 18
Source for numbers: https://dl.acm.org/doi/proceedings/10.1145/3485730

General Chairs

Name: Jorge Sá Silva
Affiliation: University of Coimbra
Gender: M
H Index: 29
GScholar url: https://scholar.google.com/citations?user=bpipHxwAAAAJ&hl=en&oi=ao
DBLP url:

Name: Fernando Boavida
Affiliation: University of Coimbra
Gender: M
H Index: 24
GScholar url: https://scholar.google.com/citations?user=Jy_skIEAAAAJ&hl=en&oi=ao
DBLP url:

Program Chairs

Name: Rong Zheng
Affiliation: McMaster University
Gender: F
H Index: 40
GScholar url: https://scholar.google.com/citations?user=uFKeXskAAAAJ&hl=en&oi=ao
DBLP url:

Name: Andrew Markham
Affiliation: University of Oxford
Gender: M
H Index: 47
GScholar url: https://scholar.google.com/citations?user=g3JTO9EAAAAJ&hl=en&oi=ao
DBLP url: https://dblp.org/pid/83/7169.html

Third Most Recent Year

Year: 2020
URL: https://sensys.acm.org/2020/
Location: Yokohama, Japan
Papers submitted: 213
Papers published: 44
Acceptance rate: 21
Source for numbers: https://maria.gorlatova.com/publications/

General Chairs

Name: Jin Nakazawa
Affiliation: Keio University
Gender: M
H Index: 19
GScholar url: https://scholar.google.com/citations?user=Lj6r908AAAAJ&hl=en&oi=ao
DBLP url:

Name: Polly Huang
Affiliation: National Taiwan University
Gender: F
H Index: 35
GScholar url: https://scholar.google.com/citations?user=JbzHR9QAAAAJ&hl=en&oi=ao
DBLP url:

Program Chairs

Name: Pei Zhang
Affiliation: University of Michigan
Gender: M
H Index: 35
GScholar url: https://scholar.google.com/citations?user=xkIcvmIAAAAJ&hl=en&oi=ao
DBLP url:

Name: Marco Gruteser
Affiliation: Rutgers University
Gender: M
H Index: 62
GScholar url: https://scholar.google.com/citations?user=HSPbKTAAAAAJ&hl=en&oi=ao
DBLP url:

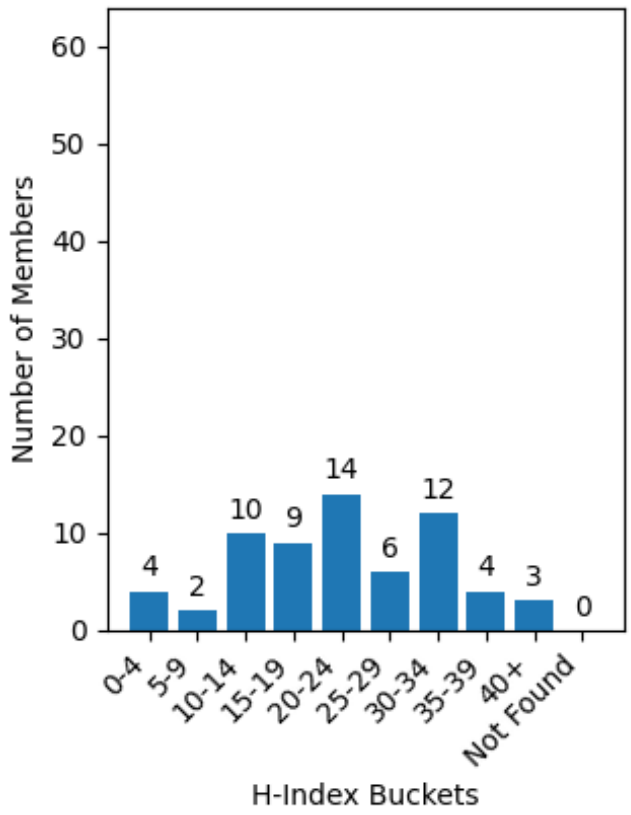
Policies

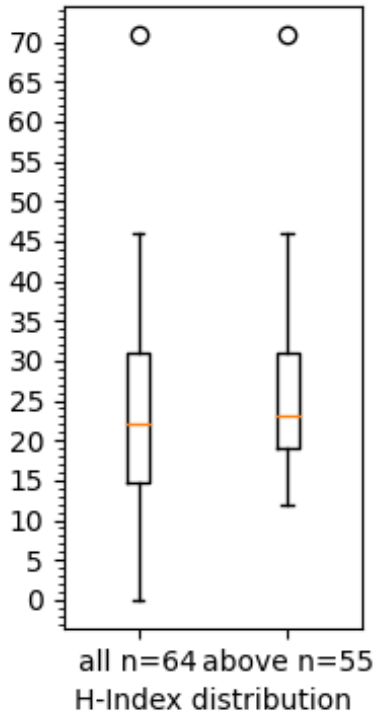
Chair Selection: The selection process and criteria for selecting chairs for the ACM Conference on Embedded Networked Sensor Systems (SenSys) may vary from year to year, but generally follow a similar process and criteria as other ACM conferences. Here are some details on the process and criteria for selecting chairs for SenSys:
Selection Process:
1. Call for Nominations: ACM typically issues a call for nominations for the positions of General Chair, Program Chair, and Workshop Chair for SenSys. The call is widely circulated among the relevant community.
2. Nomination Submissions: Interested individuals can submit their nominations or self-nominations along with their CV, a statement of their qualifications, and their vision for the conference.
3. Review of Nominations: The nominations are reviewed by a selection committee, which evaluates the candidates based on their expertise, experience, and leadership skills. The committee may also consider factors such as diversity and inclusivity in the selection process.
4. Selection of Chairs: Based on the review of nominations, the selection committee selects the chairs for the conference or event. The chairs are typically notified of their selection and provided with the necessary guidance and support to carry out their responsibilities.
Criteria for Selecting Chairs:
1. Expertise: The chairs should have a strong technical background and expertise in the field of embedded networked sensor systems, as well as a deep understanding of the conference topic and the community's needs.
2. Experience: The chairs should have significant experience in organizing and leading technical events or conferences related to embedded networked sensor systems or related fields, as well as a track record of successful collaborations with other researchers and organizations.
3. Leadership Skills: The chairs should have strong leadership skills, including the ability to motivate and inspire others, communicate effectively, and manage complex projects and teams.
4. Inclusivity and Diversity: The chairs should be committed to promoting inclusivity and diversity in the conference or event, ensuring that all voices are heard and represented.
In addition to the General Chair, Program Chair, and Workshop Chair, other chairs may also be selected for specific areas such as Demo Chair, Poster Chair, and Publicity Chair, among others. The specific process and criteria for selecting these chairs may also vary.
Policy name: ACM Code of Ethics and Professional Conduct
Policy url: https://www.acm.org/code-of-ethics

Program Committee

Link to pc: https://sensys.acm.org/2022/people/
File: http://portal.core.edu.au/core/media/2023/pc_members/PC_yGHaOYC.txt
H-index plot: http://portal.core.edu.au/core/media/2023/pc_graphs/higherrank_hindex_buckets_2169.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/higherrank2169_spc_report.csv
WPP Report: http://portal.core.edu.au/core/media/2023/wpp_reports/sMmzuC97.txt

1. ACM International Conference on Embedded Networked Sensor Systems (SenSys)
Core Rank: A*

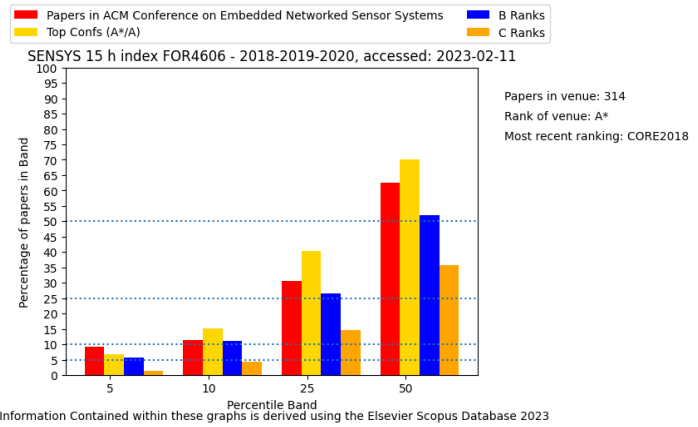
This venue was published at 79 times by 23 of 33 individuals in the last 5+ years.

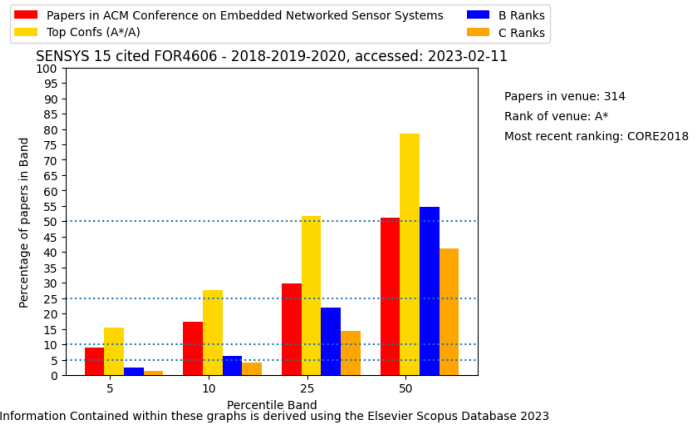
The individuals that publish at this venue are: Bradford Campbell(8), Desheng Zhang(8), Chris Xiaoxuan Lu(6), Rui Tan(6), Josiah D. Hester(5), Shijia Pan(5), Chenren Xu(4), Jinsong Han(4), Julie A. McCann(4), Wen Hu(4), Longfei Shangguan(3), Tao Gu(3), Tarek F. Abdelzaher(3), Yuanqing Zheng(3), Gang Zhou(2), Guohao Lan(2), JeongGil Ko(2), Kay Romer(2), Olga Saukh(2), Yanyong Zhang(2), Yuanchao Shu(2), Chenshu Wu(1), Qin Lv(1)

In 2018, there were 16 publications by 12 individuals: Chenren Xu, Chris Xiaoxuan Lu, Desheng Zhang, Josiah D. Hester, Julie A. McCann, Kay Romer, Qin Lv, Shijia Pan, Tarek F. Abdelzaher, Wen Hu, Yanyong Zhang, Yuanchao Shu
In 2019, there were 15 publications by 10 individuals: Bradford Campbell, Desheng Zhang, Guohao Lan, JeongGil Ko, Julie A. McCann, Rui Tan, Tao Gu, Tarek F. Abdelzaher, Wen Hu, Yuanqing Zheng
In 2020, there were 12 publications by 11 individuals: Chenren Xu, Chenshu Wu, Chris Xiaoxuan Lu, Guohao Lan, JeongGil Ko, Josiah D. Hester, Longfei Shangguan, Olga Saukh, Tao Gu, Tarek F. Abdelzaher, Wen Hu
In 2021, there were 13 publications by 7 individuals: Bradford Campbell, Chris Xiaoxuan Lu, Jinsong Han, Julie A. McCann, Olga Saukh, Rui Tan, Shijia Pan
In 2022, there were 23 publications by 13 individuals: Bradford Campbell, Chenren Xu, Chris Xiaoxuan Lu, Gang Zhou, Jinsong Han, Josiah D. Hester, Kay Romer, Longfei Shangguan, Rui Tan, Shijia Pan, Tao Gu, Yuanchao Shu, Yuanqing Zheng

23 out of the 33 individuals published at this venue in 1 or more years
19 out of the 33 individuals published at this venue in 2 or more years
10 out of the 33 individuals published at this venue in 3 or more years
1 out of the 33 individuals published at this venue in 4 or more years

Centile graphs of paper metrics





Top People Involvement

name: David E. Culler
h-index: 131
Google Scholar URL: https://scholar.google.com/citations?user=urTiL7QAAAAJ&hl=en&oi=ao
Justification: Professor Emeritus of UCB https://www2.eecs.berkeley.edu/Faculty/Homepages/culler.html
Citations:111408 https://scholar.google.com/citations?user=urTiL7QAAAAJ&hl=en&oi=ao
Paper counts:

Most Recent:	Second most recent:	Third most recent:	Fourth most recent:	Fifth most recent:
0	0	2	3	4

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

name: Prabal Dutta
h-index: 52
Google Scholar URL: https://scholar.google.com/citations?user=H790-zwAAAAJ&hl=en&oi=ao
Justification: Associate Professor of UCB https://www2.eecs.berkeley.edu/Faculty/Homepages/prabal.html
Citations:12910 https://scholar.google.com/citations?user=H790-zwAAAAJ&hl=en&oi=ao
Paper counts:

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

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

name: Tian He
h-index: 78
Google Scholar URL: https://scholar.google.com/citations?user=hc1m_BQAAAAJ&hl=en&oi=ao
Justification: Professor of University of Minnesota https://www-users.cse.umn.edu/~tianhe/
Citations:30935, https://scholar.google.com/citations?user=hc1m_BQAAAAJ&hl=en&oi=ao
Paper counts:

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

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

name: Yunhao Liu
h-index: 90
Google Scholar URL: https://scholar.google.com/citations?user=hon00PIAAAAJ&hl=en&oi=ao
Justification: Dean of Tsinghua University https://people.gix.tsinghua.edu.cn/yunhao/en.html
Citations:39636 https://scholar.google.com/citations?user=hon00PIAAAAJ&hl=en&oi=ao
Paper counts:

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

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

name: Wen Hu
h-index: 46
Google Scholar URL: https://scholar.google.com/citations?user=LKpTCwkAAAAJ&hl=en&oi=ao
Justification: Professor of UNSW https://www.unsw.edu.au/staff/wen-hu
Citations:9513 https://scholar.google.com/citations?user=LKpTCwkAAAAJ&hl=en&oi=ao
Paper counts:

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

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

name: Wenyao Xu
h-index: 41
Google Scholar URL: https://scholar.google.com/citations?user=dvvN6qsAAAAJ&hl=en&oi=ao
Justification: Professor of University at Buffalo, the State University of New York https://cse.buffalo.edu/~wenyaoxu/
Citations:6609, https://scholar.google.com/citations?user=dvvN6qsAAAAJ&hl=en&oi=ao
Paper counts:

Most Recent:	Second most recent:	Third most recent:	Fourth most recent:	Fifth most recent:
3	3	2	4	1

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

name: Jie Xiong
h-index: 32
Google Scholar URL: https://scholar.google.com/citations?user=GR9VzaMAAAAJ&hl=en&oi=ao
Justification: Associate Professor of University of Massachusetts Amherst https://www.cics.umass.edu/
Citations:5245 https://scholar.google.com/citations?user=GR9VzaMAAAAJ&hl=en&oi=ao
Paper counts:

Most Recent:	Second most recent:	Third most recent:	Fourth most recent:	Fifth most recent:
4	1	5	3	1

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

name: Guoliang Xing
h-index: 52
Google Scholar URL: https://scholar.google.com/citations?user=kI5JKs8AAAAJ&hl=en&oi=ao
Justification: Professorof The Chinese University of Hong Kong https://www.ie.cuhk.edu.hk/main/index.shtml
Citations:11681 https://scholar.google.com/citations?user=kI5JKs8AAAAJ&hl=en&oi=ao
Paper counts:

Most Recent:	Second most recent:	Third most recent:	Fourth most recent:	Fifth most recent:
4	3	0	2	0

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

name: Mani B. Srivastava
h-index: 113
Google Scholar URL: https://scholar.google.com/citations?user=X2Qs7XYAAAAJ&hl=en&oi=ao
Justification: Professor of UCLA https://www.ee.ucla.edu/mani-srivastava/
Citations:68598 https://scholar.google.com/citations?user=X2Qs7XYAAAAJ&hl=en&oi=ao
Paper counts:

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

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

name: John A. Stankovic
h-index: 123
Google Scholar URL: https://scholar.google.com/citations?user=4VJre9IAAAAJ&hl=en&oi=ao
Justification: Professor of University of Virginia https://engineering.virginia.edu/faculty/john-stankovic
Citations:65979 https://scholar.google.com/citations?user=4VJre9IAAAAJ&hl=en&oi=ao
Paper counts:

Most Recent:	Second most recent:	Third most recent:	Fourth most recent:	Fifth most recent:
0	0	6	0	0

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

Area Leaders publishing

Method of selection: The method to generate this list is taking the top names (h-index above 45) from Google Scholar by filtering using keywords with respect to sensor network, mobile computing, wireless sensing, IoT.
Keyword: sensor network, mobile computing, wireless sensing, IoT

name	h-index	gscholar url
Feng Zhao	72	https://scholar.google.com/citations?hl=en&user=4C46Y8EAAAAJ
Xue Yang	52	https://scholar.google.com/citations?hl=en&user=SymX9LkAAAAJ
Hari Balakrishnan	126	https://scholar.google.com/citations?hl=en&user=Qf4bw4UAAAAJ
Victor Bahl	102	https://scholar.google.com/citations?hl=en&user=BBKfx4oAAAAJ
Mani Srivastava	113	https://scholar.google.com/citations?hl=en&user=X2Qs7XYAAAAJ
Samuel Madden	107	https://scholar.google.com/citations?hl=en&user=a1ngrCIAAAAJ
Steve Brown	106	https://scholar.google.com/citations?hl=en&user=_DUpMCoAAAAJ
Anind K. Dey	82	https://scholar.google.com/citations?hl=en&user=ydA8Q5AAAAAJ
Mahadev Satyanarayanan	87	https://scholar.google.com/citations?hl=en&user=0y6JDD4AAAAJ
Matthew Turk	58	https://scholar.google.com/citations?hl=en&user=KltleWgAAAAJ
Venkata N. Padmanabhan	72	https://scholar.google.com/citations?hl=en&user=ae1ve-EAAAAJ
Lionel Ni	88	https://scholar.google.com/citations?hl=en&user=OzMYwDIAAAAJ
K. J. Ray Liu	103	https://scholar.google.com/citations?hl=en&user=YjTldCMAAAAJ
Lili Qiu	63	https://scholar.google.com/citations?hl=en&user=16posrQAAAAJ
Lothar Thiele	89	https://scholar.google.com/citations?hl=en&user=0aAKHewAAAAJ
Henning Schulzrinne	94	https://scholar.google.com/citations?hl=en&user=6IHX8J4AAAAJ
Li Da Xu	88	https://scholar.google.com/citations?hl=en&user=Y4NfrdAAAAAJ
Muhammad Khurram Ahmed	75	https://scholar.google.com/citations?hl=en&user=_DwZLuMAAAAJ
Tian He	78	https://scholar.google.com/citations?hl=en&user=hc1m_BQAAAAJ
Mohammed Ismail	75	https://scholar.google.com/citations?hl=en&user=MszyZqUAAAAJ

WPP Report: http://portal.core.edu.au/core/media/2023/wpp_reports/1QhsaU40.txt

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1. ACM International Conference on Embedded Networked Sensor Systems (SenSys)
Core Rank: A*
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This venue was published at 14 times by 5 of 13 individuals in the last 5+ years.

The individuals that publish at this venue are: Mani B. Srivastava(7), Lili Qiu(2), Lothar Thiele(2), Venkata N.
Padmanabhan(2), K. J. Ray Liu(1)

In 2018, there were 1 publications by 1 individuals: Mani B. Srivastava
In 2019, there were 4 publications by 3 individuals: Lili Qiu, Mani B. Srivastava, Venkata N. Padmanabhan
In 2020, there were 4 publications by 3 individuals: K. J. Ray Liu, Lili Qiu, Mani B. Srivastava
In 2021, there were 2 publications by 1 individuals: Lothar Thiele
In 2022, there were 3 publications by 1 individuals: Mani B. Srivastava

5 out of the 13 individuals published at this venue in 1 or more years
2 out of the 13 individuals published at this venue in 2 or more years
1 out of the 13 individuals published at this venue in 4 or more years
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Additional Data

Google Scholar Data

Sub-category url:
https://scholar.google.com/citations?view_op=top_venues&hl=en&vq=eng_computernetworkswirelesscommunication
Position in sub-category: 20+
h5 index of 20th item in category: 63
No Google Scholar h5 index available for this conference
Potential reason for no h5 index: The h5 index of SenSys conference is 31, please refer to
https://www.aminer.org/ranks/conf?domain_ids=624521982faec9f93681e737&type=ccf&search=&metric=google_h5_index&order=descend&ccf_level=A,B,C,other&category=Conference for further details.

Relationship to similar conferences

Partial ordering of similar conferences in the area, with argument as to where the current venue fits and why:
MobiCom: The ACM International Conference on Mobile Computing and Networking (MobiCom) is a conference that focuses on research related to mobile computing and wireless networking. While there is some overlap between the topics covered at MobiCom and SenSys, MobiCom includes a broader range of topics related to mobile computing and wireless communication.
SIGCOMM: The ACM Special Interest Group on Data Communications (SIGCOMM) conference is the premier conference in the field of computer networks and communication systems. While SenSys focuses specifically on embedded networked sensor systems, SIGCOMM covers a broad range of topics related to networking, communication, and data transfer.
MobiSys: The ACM International Conference on Mobile Systems, Applications, and Services (MobiSys) is a conference that focuses on research related to mobile systems and applications. While there is some overlap between the topics covered at MobiSys and SenSys,

MobiSys has a broader focus on mobile systems and applications, whereas SenSys focuses specifically on embedded networked sensor systems.
NSDI: The USENIX Symposium on Networked Systems Design and Implementation (NSDI) is a conference that focuses on research related to computer networking and distributed systems. While there is some overlap between the topics covered at NSDI and SenSys, NSDI has a broader focus on networked systems and distributed computing.
IPSN: The ACM/IEEE International Conference on Information Processing in Sensor Networks (IPSN) is a conference that focuses specifically on research related to sensor networks. IPSN covers a broad range of topics related to the design, implementation, and deployment of sensor networks, similar to SenSys.
INFOCOM: The IEEE International Conference on Computer Communications (INFOCOM) is a conference that covers a broad range of topics related to computer communication, networking, and information systems. While there is some overlap between the topics covered at INFOCOM and SenSys, INFOCOM has a broader focus on computer communication and networking.

Other Information

Attachments

N/A

Proposers

First name: Weitao
Last name: Xu
Affiliation: City University of Hong Kong
Email: weitaoxu@cityu.edu.hk

Submitted By

Name: Sun Zehua
Email: Sunembrace@126.com