Submission Data for 2020-2021 CORE conference Ranking process
IEEE International Symposium on Wearable Computers

Kristof Van Laerhoven, Thad Starner, Michael Beigl, Thomas Ploetz, Kai Kunze, Lucy Dunne, Katia Vega

Conference Details

Conference

Title: IEEE International Symposium on Wearable Computers
Acronym : ISWC
Rank: A*

Requested Rank

Rank: A*

Recent Years

Proceedings Publishing Style

Proceedings Publishing: self-contained
Link to most recent proceedings: https://dl.acm.org/doi/proceedings/10.1145/3410531
Further details: Novel, rigorous research contributions of smaller scope than full papers are published in a separate proceedings (see above URL to recent proceedings) published by ACM. These are peer-reviewed by a TPC of experts with the same rigour and process (physical PC meeting, shepherding of papers), for 25 years now since ISWC 1997.
From 2020 onwards, we explicitly invite full papers published in ACM IMWUT (https://dl.acm.org/journal/imwut) for presentation, at the conference jointly held with UbiComp (http://ubicomp.org), with which ISWC is collocated since 2013.

Most Recent Years

Most Recent Year

Year: 2019
URL: http://iswc.net/iswc19/
Location: London, UK
Papers submitted: 81
Papers published: 17
Acceptance rate: 21
Source for numbers: https://dl.acm.org/action/showFmPdf?doi=10.1145%2F3341163seepagev

General Chairs

Name: Katayoun Farrahi Affiliation: University Of Southampton, UK Gender: F H Index: 16 GScholar url: https://scholar.google.de/citations?hl=en&user=c_E3E4kAAAAJ DBLP url: https://dblp.uni-trier.de/pid/26/4198.html
Name: Robert Harle Affiliation: University Of Cambridge Gender: M H Index: 22 GScholar url: https://scholar.google.de/citations?hl=en&user=MUWnoZIAAAAJ DBLP url: https://dblp.uni-trier.de/pid/h/RobertKHarle.html
Name: Nicholas Lane Affiliation: University Of Oxford And Samsung Ai Gender: M H Index: 50 GScholar url: https://scholar.google.de/citations?hl=en&user=IleoLUgAAAAJ DBLP url: https://dblp.uni-trier.de/pid/03/2663.html

Program Chairs

Name: Lucy E. Dunne Affiliation: University of Minnesota, USA Gender: F H Index: 23 GScholar url: https://scholar.google.de/citations?hl=en&user=IOH3lY0AAAAJ DBLP url: https://dblp.uni-trier.de/pid/49/3717.html
Name: Ozan Cakmakci Affiliation: Google, Mountain View CA, USA Gender: M H Index: 21 GScholar url: https://scholar.google.de/citations?hl=en&user=xZLjeAMAAAAJ DBLP url: https://dblp.uni-trier.de/pid/72/4630.html
Name: Jamie A. Ward Affiliation: Goldsmiths, University of London, UK Gender: M H Index: 13 GScholar url: https://scholar.google.de/citations?hl=en&user=-Xy7uX4AAAAJ DBLP url: https://dblp.uni-trier.de/pid/58/2305.html

Second Most Recent Year

Year: 2018
URL: http://iswc.net/iswc18
Location: Singapore
Papers submitted: 62
Papers published: 17
Acceptance rate: 27
Source for numbers: https://dl.acm.org/action/showFmPdf?doi=10.1145%2F3267242onpagevi

General Chairs

Name: Kai Kunze Affiliation: Keio University, Japan Gender: M H Index: 31 GScholar url: https://scholar.google.de/citations?hl=en&user=aBBK-psAAAAJ DBLP url: https://dblp.uni-trier.de/pid/44/5109.html
Name: Rajesh Krishna Balan Affiliation: Singapore Management University Gender: M H Index: 31 GScholar url: https://scholar.google.de/citations?hl=en&user=U1jLrJcAAAAJ DBLP url: https://dblp.uni-trier.de/pid/51/6146.html

Program Chairs

Name: Michael Beigl Affiliation: Karlsruhe Institute of Technology (KIT), Germany Gender: M H Index: 43 GScholar url: https://scholar.google.de/citations?hl=en&user=9-WU64IAAAAJ DBLP url: https://dblp.uni-trier.de/pid/97/4178.html
Name: Roshan Peiris Affiliation: Keio University, Japan Gender: M H Index: 15 GScholar url: https://scholar.google.de/citations?hl=en&user=cVEUHIIAAAAJ DBLP url: https://dblp.uni-trier.de/pid/37/5474.html

Third Most Recent Year

Year: 2017
URL: http://iswc.net/iswc17
Location: Hawaii, USA
Papers submitted: 95
Papers published: 18
Acceptance rate: 19
Source for numbers: https://dl.acm.org/doi/proceedings/10.1145/3123021#secAbs(seestatsatthebottomofpage)

General Chairs

Name: Claire Lee
Affiliation: Google, Mountain View CA, USA
Gender: F
H Index: 11
GScholar url: https://scholar.google.de/citations?hl=en&user=6TiR7isAAAAJ
DBLP url: https://dblp.uni-trier.de/pid/61/1259.html

Name: Leila Takayama
Affiliation: UC Santa Cruz, USA
Gender: F
H Index: 35
GScholar url: https://scholar.google.de/citations?hl=en&user=yFEHsv4AAAAJ
DBLP url: https://dblp.uni-trier.de/pid/56/1315.html

Program Chairs

Name: Jennifer Healey
Affiliation: Adobe Research, USA
Gender: F
H Index: 32
GScholar url: https://scholar.google.de/citations?hl=en&user=hxMrKWgAAAAJ
DBLP url: https://dblp.uni-trier.de/pid/23/6392.html

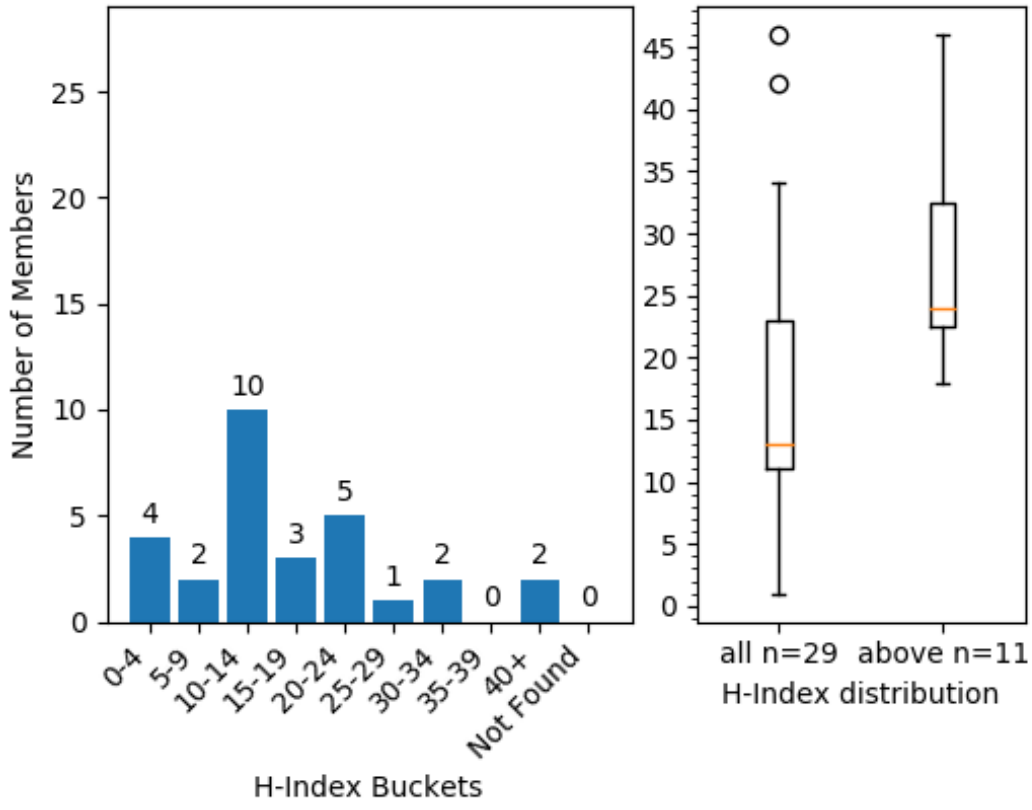
Name: Thomas Ploetz
Affiliation: Georgia Tech, USA
Gender: M
H Index: 36
GScholar url: https://scholar.google.de/citations?hl=en&user=kM95eWgAAAAJ
DBLP url: https://dblp.uni-trier.de/pid/98/4399.html

Policies

Chair Selection: The conference rotates every three years between Asia/Pacific, Europe/Africa, and the Americas. Bids are put in for each conference for the region for that year, and the steering committees vote on which bid to accept. At least one of the General Chairs should be from the host region as part of the bid. For the ISWC Program Chairs, we seek to have an academic and an industry chair. Chairs should be well established in the field.
Policy name: Accessibility
Policy url: https://iswc.hosting2.acm.org/iswc20/accessibility/statement
Policy name: Diversity and Ethics
Policy url: http://iswc.net/stcwut/statement.html

(Senior) Program Committee

Link to (s)pc: http://iswc.net/iswc19/prog_committee.html
File: http://portal.core.edu.au/core/media/conf_submissions_spc_file/ISWC_1.txt
H-index plot: http://portal.core.edu.au/core/media/conf_submissions_hindex_plots/hindex_buckets_1470.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_computingsystems`
Position in sub-category: 20+
Image of top 20: `http://portal.core.edu.au/core/media/changes_h5/higherrank1470_gscholar_minh5.png`

Categories > Engineering & Computer Science > **Computing Systems**

	Publication	h5-index	h5-median
1.	IEEE Internet of Things Journal	93	140
2.	Future Generation Computer Systems	86	127
3.	IEEE Transactions on Parallel and Distributed Systems	69	106
4.	Symposium on Networked Systems Design and Implementation	65	106
5.	International Symposium on Computer Architecture (ISCA)	55	103
6.	International Conference on Architectural Support for Programming Languages and Operating Systems (ASPLOS)	55	88
7.	IEEE Transactions on Services Computing	55	86
8.	IEEE International Symposium on High Performance Computer Architecture	53	86
9.	IEEE Transactions on Cloud Computing	52	77
10.	USENIX Annual Technical Conference	45	70
11.	IEEE/ACM International Symposium on Microarchitecture	45	69
12.	The Journal of Supercomputing	45	59
13.	International Conference for High Performance Computing, Networking, Storage and Analysis	44	58
14.	Cluster Computing	43	60
15.	Symposium on Operating Systems Principles	42	77
16.	ACM European Conference on Computer Systems	42	63
17.	International Journal of Distributed Sensor Networks	42	58
18.	Conference on File and Storage Technologies (FAST)	41	74
19.	Journal of Parallel and Distributed Computing	40	56
20.	International Conference on Distributed Computing Systems, ICDCS	39	58

h5-index for this conference: 24

ACM Metrics

Is an ACM sponsored conference: True
Providing ACM Stats: True

ACM Statistics

Downloads in last 12 months: 30189
Average citations per article: 7
Average downloads per article: 334

ACM Most frequently publishing

Name: Thad Eugene Starner Paper Count: 29 Google Scholar h-index: 77 Gscholar url: https://scholar.google.com/citations?hl=en&user=qr8Vo9IAAAAJ
Name: Lucy E Dunne Paper Count: 20 Google Scholar h-index: 23 Gscholar url: https://scholar.google.com/citations?user=IOH3lYOAAAAJ&hl=en&oi=ao
Name: M Beigl Paper Count: 15 Google Scholar h-index: 43 Gscholar url: https://scholar.google.com/citations?user=9-WU64IAAAAJ&hl=en&oi=ao
Name: Oliver Amft Paper Count: 13 Google Scholar h-index: 42 Gscholar url: https://scholar.google.com/citations?user=6gXOS30AAAAJ&hl=en&oi=ao
Name: Paul Lukowicz Paper Count: 13 Google Scholar h-index: 59 Gscholar url: https://scholar.google.com/citations?user=1FIyc9kAAAAJ&hl=en&oi=ao
Name: Daniel Roggen Paper Count: 9 Google Scholar h-index: 47 Gscholar url: https://scholar.google.com/citations?user=JGjtLtYAAAAJ&hl=en&oi=ao
Name: Gregory D. Abowd Paper Count: 8 Google Scholar h-index: 86 Gscholar url: https://scholar.google.com/citations?user=gb8sbdcAAAAJ&hl=en&oi=ao
Name: Crystal Compton Paper Count: 8 Google Scholar h-index: 6 Gscholar url: https://scholar.google.com/citations?user=rtfS4D4AAAAJ&hl=en&oi=ao
Name: Gerhard TrÃűster Paper Count: 7 Google Scholar h-index: 52 Gscholar url: https://scholar.google.de/scholar?q=Gerhard+Troester&hl=en
Name: Kristof van Laerhoven Paper Count: 7 Google Scholar h-index: 34 Gscholar url: https://scholar.google.com/citations?user=iPI39lEAAAAJ&hl=en&oi=ao

Aminer Rank

Not Listed in Aminer

Other Rankings

Not aware of any other Rankings
Conferences in area: UbiComp ISWC: International Symposium on Wearable Computers AH: Augmented Humans ISMAR Mobile HCI Mobisys Hotmobile BSN: Body Sensor Networks

Top People Publishing Here

name: Thomas Ploetz
justification: h index of 36
Paper counts:

Most Recent:	Second most recent:	Third most recent:	Fourth most recent:	Fifth most recent:
3	4	1	0	0

Attendance: ALWAYS
name: Lucy E. Dunne
justification: one of the long-term organizers of the conference, specializing in textiles and design, h-index 23
Paper counts:

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

Attendance: ALWAYS
name: Kai Kunze

justification: h index of 31
Paper counts:

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

Attendance: ALWAYS
name: Gregory D. Abowd
justification: h index of 86
Paper counts:

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

Attendance: ALWAYS
name: Michael Beigl
justification: h index of 43
Paper counts:

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

Attendance: ALWAYS
name: Daniel Roggen
justification: h index of 48
Paper counts:

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

Attendance: ALWAYS
name: Thad Starner
justification: h index of 77
Paper counts:

Most Recent:	Second most recent:	Third most recent:	Fourth most recent:	Fifth most recent:
2	6	3	6	2

Attendance: ALWAYS
name: Kristof Van Laerhoven
justification: h index of 43
Paper counts:

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

Attendance: ALWAYS
name: Paul Lukowicz
justification: h index of 59
Paper counts:

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

Attendance: ALWAYS
name: Oliver Amft
justification: h index of 42
Paper counts:

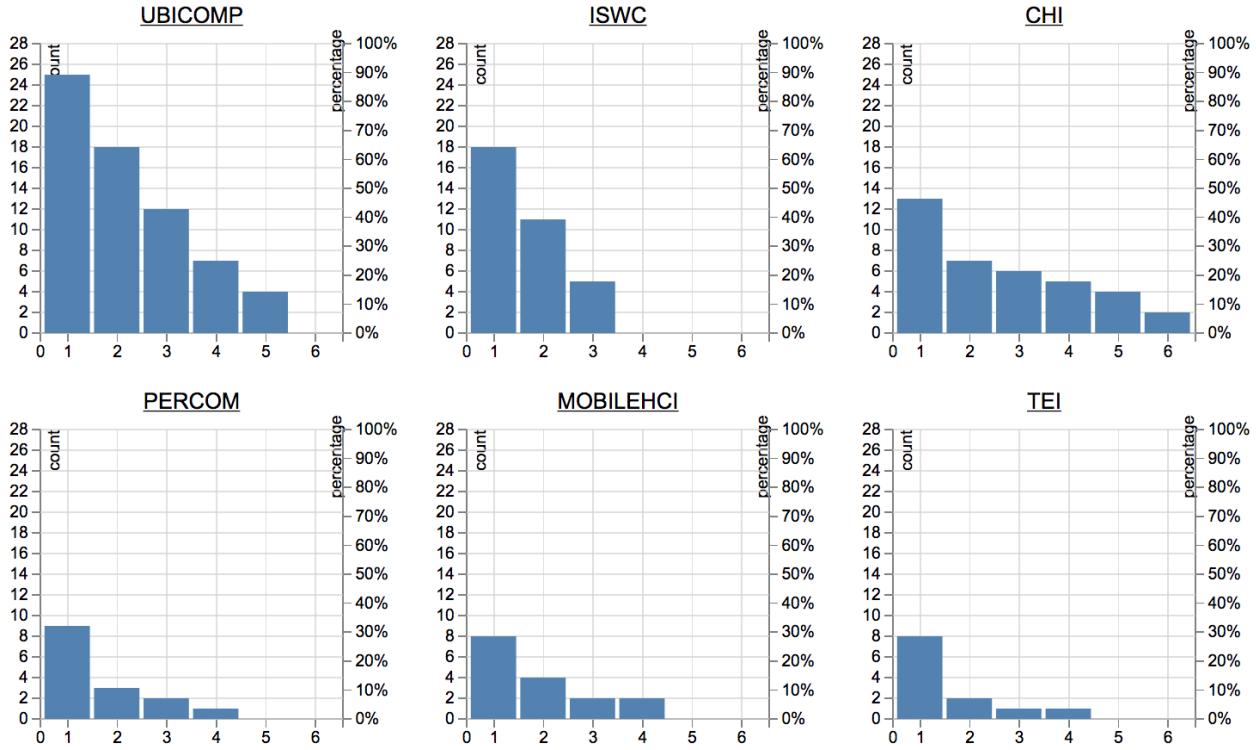
Most Recent:	Second most recent:	Third most recent:	Fourth most recent:	Fifth most recent:
0	2	0	2	2

Attendance: ALWAYS

Where People Publish

Top (Senior) Program Committee Members

Generated Report Name: conf_submissions_top_spc/higherrank1470_top_spc.csv
WPP Report: `http://portal.core.edu.au/core/media/conf_rank_report/higherrank1470_spc_report.txt`
Graphs: `http://portal.core.edu.au/core/media/conf_rank_graphs/higherrank1470_spc_graph.png`



Reference item: \\ 2. IEEE International Symposium on Wearable Computers (ISWC)

This conference was published at 56 times by 18 of 28 experts in the last 5 years.

The experts that publish at this conference are: Jingyuan Cheng(1), Bradley T. Holschuh(2), Katia Vega(1), Thomas Ploetz(1), Thad Starner(11), Eduardo E. Veas(3), Oliver Amft(4), Hsin-Liu Cindy Kao(1), Paul Lukowicz(6), Stefan Schneegass(1), Michael Beigl(4), Lucy E. Dunne(8), Daniel Roggen(4), Kai Kunze(2), Kristof Van Laerhoven(2), Bjoern Eskofier(6), Kent Lyons(3), Clint Zeagler(3)

In 2015, there were 13 publications by 8 experts: Michael Beigl, Thad Starner, Lucy E. Dunne, Oliver Amft, Bjoern Eskofier, Paul Lukowicz, Kent Lyons, Clint Zeagler
In 2016, there were 24 publications by 13 experts: Jingyuan Cheng, Michael Beigl, Thad Starner, Eduardo E. Veas, Oliver Amft, Paul Lukowicz, Stefan Schneegass, Lucy E. Dunne, Daniel Roggen, Kai Kunze, Bjoern Eskofier, Kent Lyons, Hsin-Liu Cindy Kao
In 2017, there were 19 publications by 13 experts: Bradley T. Holschuh, Thomas Ploetz, Thad Starner, Eduardo E. Veas, Katia Vega, Paul Lukowicz, Michael Beigl, Lucy E. Dunne, Daniel Roggen, Kai Kunze, Kristof Van Laerhoven, Bjoern Eskofier, Clint Zeagler

18 out of the 28 experts published at this conference in 1 or more years
11 out of the 28 experts published at this conference in 2 or more years
5 out of the 28 experts published at this conference in 3 or more years

Top People Report

Method of selection: Via Google Scholar's "wearable computing" keyword:
https://scholar.google.com/citations?view_op=search_authors&hl=en&mauthors=label:wearable_computing
Keyword: wearable computing

name	h-index	gscholar url
Alex 'Sandy' Pentland	141	https://scholar.google.com/citations?hl=en&user=P4nfoKYAAAAJ
Bernt Schiele	121	https://scholar.google.com/citations?hl=en&user=z76PBfYAAAAJ
Steven Feiner	79	https://scholar.google.com/citations?hl=en&user=PogsVkYAAAAJ
Thad Starner	77	https://scholar.google.com/citations?hl=en&user=qr8Vo9IAAAAJ
Daniel Siewiorek	69	https://scholar.google.com/citations?hl=en&user=B13SvmAAAAAJ
Albrecht Schmidt	68	https://scholar.google.com/citations?hl=en&user=qM5jR7YAAAAJ
Steve Mann	60	https://scholar.google.com/citations?hl=en&user=7bmQ4FgAAAAJ
Roozbeh Ghaffari	60	https://scholar.google.com/citations?hl=en&user=HR_BZpgAAAAJ
Paul Lukowicz	59	https://scholar.google.com/citations?user=1FIyc9kAAAAJ&hl=en
David Kim	37	https://scholar.google.com/citations?hl=en&user=e8rbe3AAAAAJ
Giancarlo Fortino	53	https://scholar.google.com/citations?hl=en&user=ecImn1MAAAAJ
Michael Beigl	43	https://scholar.google.com/citations?hl=en&user=9-WU64IAAAAJ
Chris Baber	50	https://scholar.google.com/citations?hl=en&user=MQ184fQAAAAJ
Archan MISRA	46	https://scholar.google.com/citations?hl=en&user=a0YC5VAAAAAJ
Bruce H. Thomas	45	https://scholar.google.com/citations?hl=en&user=1qChpEwAAAAJ
Roozbeh Jafari	42	https://scholar.google.com/citations?hl=en&user=ZKg1UKwAAAAJ
Oliver Amft	42	https://scholar.google.com/citations?hl=en&user=6gXOS30AAAAJ
Yiqiang Chen	33	https://scholar.google.com/citations?hl=en&user=LC3SwhEAAAAJ
Jaroslaw Harezlak	37	https://scholar.google.com/citations?hl=en&user=H24PDZkAAAAJ
Tom Martin	28	https://scholar.google.com/citations?hl=en&user=KOA4tT8AAAAJ

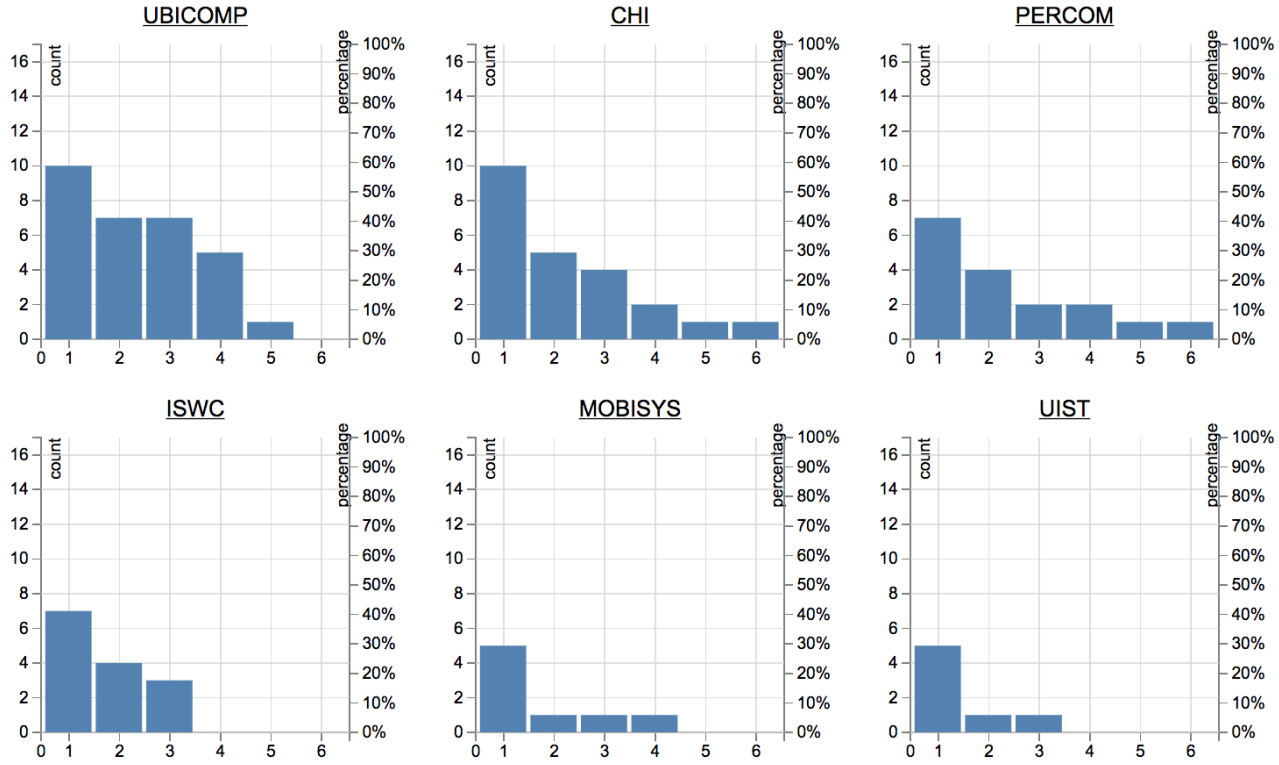
Reference item: \\ 4. IEEE International Symposium on Wearable Computers (ISWC)

This conference was published at 27 times by 7 of 17 experts in the last 5 years.

The experts that publish at this conference are: Roozbeh Jafari(1), Michael Beigl(4), Thad Starner(11), Oliver Amft(4), Paul Lukowicz(6), Steve Mann(1), Bruce H. Thomas(1)

In 2015, there were 10 publications by 6 experts: Roozbeh Jafari, Michael Beigl, Thad Starner, Oliver Amft, Bruce H. Thomas, Paul Lukowicz
In 2016, there were 11 publications by 4 experts: Oliver Amft, Paul Lukowicz, Thad Starner, Michael Beigl
In 2017, there were 6 publications by 4 experts: Paul Lukowicz, Steve Mann, Thad Starner, Michael Beigl

7 out of the 17 experts published at this conference in 1 or more years
4 out of the 17 experts published at this conference in 2 or more years
3 out of the 17 experts published at this conference in 3 or more years WPP Report:
http://portal.core.edu.au/core/media/conf_rank_report/higherrank1470_top_people_report.txt
Graphs: http://portal.core.edu.au/core/media/conf_rank_graphs/higherrank1470_top_people_graph.png



Other Information

Comparator Comparison

Comparator

IEEE International Conference on Pervasive Computing and Communications

Explanation as to why conference is superior to comparator:
h5 index of PERCOM (26) is of a similar h5 level of ISWC (24)
Comparing PERCOM on aminer vs ISWC on Google Scholar shows that ISWC has many more citations of the top 10 cited papers than PERCOM. While AMiner shows less citations than Scholar in general, it does not account for the dramatic difference Sum of top 10 most cited papers: 1535 PERCOM 7632 ISWC
Link to comparator report:
`http://portal.core.edu.au/core/media/conference_submission_2020/Data_Comparator_for_1470_933.pdf`

Comparator

IEEE/ACM International Symposium on Mixed and Augmented Reality

Explanation as to why conference is superior to comparator:
h5 index of ISMAR is 20, whereas h5 of ISWC is 24
ISWC has over 122, 000 paper downloads: ISMAR 112, 000
Although ISMAR was established as an offshoot of ISWC (first as IWAR, then ISAR, then ISMAR), the top people in wearable computing publish much more regularly in ISWC than ISMAR.
Link to comparator report:
`http://portal.core.edu.au/core/media/conference_submission_2020/Data_Comparator_for_1470_985.pdf`

Other Relvant Info

Other relevant information: Please note that DBLP has mislabeled the ISWC proceedings for certain years. The WPP tool has consequently assigned several ISWC publications to UbiComp in the statistics.
Example: Thomas Ploetz has contributed 8 ISWC papers, but only 1 appears in DBLP: `https://dblp.org/pid/98/4399.html` -¿ These are missing for 2019: ”Handling annotation uncertainty in human activity recognition”, ”On the role of features in human activity recognition”, ”Multi-target affect detection in the wild: an exploratory study” These are labeled correctly in other sites such as Google Scholar or ACM DL.
Aminer does not list ISWC or ISMAR in their conferences. Note that there may be confusion between the International Semantic Web Conference (ISWC), which is listed in aminer, and the International Symposium on Wearable Computers (ISWC) that we are describing here.

Top cited ISWC papers according to Google Scholar (https://docs.google.com/spreadsheets/d/1jPHE3EqJtjJJaQbU7wb8wlDPSy_qMk1iZIjKgDYJMvQ/edit#gid=10067884) : 1527: A touring machine: prototyping 3D mobile augmented reality systems for exploring the urban environment 1022: Parasitic power harvesting in shoes 862: The wearable remembrance agent: a system for augmented memory 861: Adding generic contextual capabilities to wearable computers 613: Design for wearability 585: First Steps Towards Handheld Augmented Reality 554: Context compass 540: Fine-Grained Activity Recognition by Aggregating Abstract Object Usage 539: Real-Time Recognition of Physical Activities and Their Intensities Using Wireless Accelerometers and a Heart Rate Monitor 529: GestureWrist and GesturePad: unobtrusive wearable interaction devices

Attachments

N/A

Proposers

First name: Kristof
Last name: Van Laerhoven
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First name: Katia
Last name: Vega
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Submitted By

Name: Van Laerhoven Kristof
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