**Submission Data for 2020-2021 CORE conference Ranking process**
**International Conference on Software and System Processes (was ICSP prior to 2011)**

Leon Osterweil, Dieter Rombach, David RAffo, Stanley Sutton

**Conference Details**

**Conference**

Title: International Conference on Software and System Processes (was ICSP prior to 2011)
Acronym : ICSSP
Rank: A

**Requested Rank**

Rank: A

**Recent Years**

**Proceedings Publishing Style**

Proceedings Publishing: other
Link to most recent proceedings: https://dl.acm.org/doi/proceedings/10.5555/3339986
Further details: ICSSP proceedings are published by ACM as a distinct volume within the compiled proceedings of ICSE and ICSE-associated events. This is a link for the 2019 proceedings in the context of the 2019 ICSE proceedings at ACM: https://dl.acm.org/doi/proceedings/10.5555/3339986
DBLP link for ICSSP conference series proceedings: https://dblp.org/db/conf/ispw/index.html
ACM citation for 2019 ICSSP:
2019. Proceedings of the International Conference on Software and System Processes. IEEE Press.
Depending on the year, the proceedings may contain short papers, which are distinguishable from the full papers by their length.

**Most Recent Years**

**Most Recent Year**

Year: 2019
URL: https://2019.icse-conferences.org/track/icssp-2019-papers
Location: Montreal, QE, Canada
Papers submitted: 39
Papers published: 14
Acceptance rate: 36
Source for numbers: https://dl.acm.org/action/showFmPdf?doi=10.5555%2F3339986

**General Chairs**

Name: Stanley M. Sutton, Jr.
Affiliation: IBM Research, Yorktown Heights, NY, USA (retired)
Gender: M
H Index: 23
GScholar url: https://scholar.google.de/citations?hl=en&user=8ROgqWoAAAAJ
DBLP url:

**Program Chairs**

Name: Regina Hebig
Affiliation: Chalmers — Gothenburg University, Sweden
Gender: F
H Index: 17
GScholar url: https://scholar.google.de/citations?user=dr1Ymp8AAAAJ&hl=en
DBLP url:

Name: Ove Armbrust
Affiliation: Intel, Portland, WA, USA
Gender: M
H Index: Not available
GScholar url:
DBLP url: https://dblp.uni-trier.de/pid/70/3445.html

**Second Most Recent Year**

Year: 2018
URL: https://www.icse2018.org/track/icssp-2018-papers
Location: Gothenburg, Sweden
Papers submitted: 37
Papers published: 8
Acceptance rate: 22
Source for numbers: https://dl.acm.org/action/showFmPdf?doi=10.1145%2F3202710

**General Chairs**

Name: Marco Kuhrmann
Affiliation: Clausthal University of Technology, Clausthal-Zellerfeld, Germany
Gender: M
H Index: 23
GScholar url: https://scholar.google.com/citations?hl=en&user=Ut0d1ZEAAAAJ
DBLP url:

**Program Chairs**

Name: Rory V. O'Connor
Affiliation: Dublin City University, Dublin , Ireland
Gender: M
H Index: 37
GScholar url: https://scholar.google.com/citations?hl=en&user=SdKht_IAAAAJ
DBLP url:

Name: Dan Houston
Affiliation: The Aerospace Corporation, Los Angeles, CA, USA
Gender: M
H Index:
GScholar url:
DBLP url: https://dblp.org/pid/51/5602.html

**Third Most Recent Year**

Year: 2017
URL: http://icssp-conferences.org/icssp2017/program/
Location: Paris, France
Papers submitted: 32
Papers published: 11
Acceptance rate: 34
Source for numbers: http://icssp-conferences.org/wp-content/uploads/2017/04/icssp17-vol.pdf

**General Chairs**

Name: Reda Bendraou
Affiliation: University of Pierre & Marie Curie, France
Gender: M
H Index:
GScholar url:
DBLP url: https://dblp.org/pid/77/6354.html

Name: David Raffo
Affiliation: Portland State University, USA
Gender: M
H Index: 24
GScholar url: https://scholar.google.com/citations?hl=en&user=ngDZcscAAAAJ
DBLP url:

**Program Chairs**

Name: Fabrizio Maria Maggi
Affiliation: Fabrizio Maria Maggi
Gender: M
H Index: 41
GScholar url: https://scholar.google.com/citations?hl=en&user=Jo9fNKEAAAAJ
DBLP url:

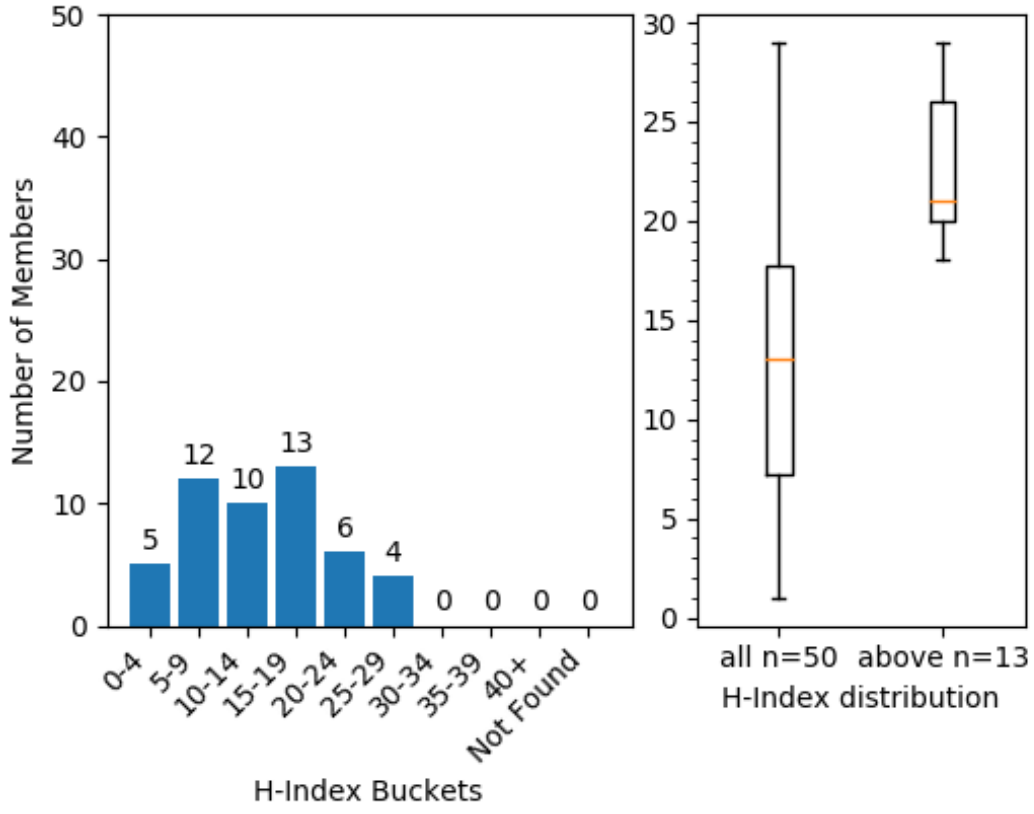
Name: Huang LiGuo
Affiliation: Southern Methodist University, USA
Gender: F
H Index: 18
GScholar url: https://scholar.google.com/citations?hl=en&user=X1GHfWcAAAAJ
DBLP url:

**Policies**

Chair Selection: The General Chairs or Co-chairs are selected by the ICSSP Steering Committee, which includes recent conference chairs and members of the board of the International Software and Systems Process Association. The Program Chairs or Co-chairs are typically selected by the General Chair(s) in consultation with the Steering Committee.
Criteria for selecting chairs include an appropriate balance of - Recognition and standing within the software and systems process community - Ability to contribute to a successful conference - Opportunity to benefit from the experience of serving as a Chair - Representation from academic, industrial, and public sector institutions - Respect for the value of inclusion and diversity, especially with respect to gender, race, geography, nationality, and other criteria that reflect the international ICSSP community.
Policy name: Code of Conduct (ICSE policy to which ICSSP subscribes as an ICSE co-located event)
Policy url: https://conf.researchr.org/attending/icssp-icgse-2021/code-of-conduct
Policy name: Diversity and Inclusion Plan (ICSE policy to which ICSSP subscribes as an ICSE co-located event)
Policy url: https://conf.researchr.org/attending/icssp-icgse-2021/diversity-and-inclusion
Policy name: Policy on Roles and Responsibilities in ACM Publishing
Policy url: https://www.acm.org/publications/policies/roles-and-responsibilities#authors
Policy name: ACM Policy and Procedures on Plagiarism
Policy url: https://www.acm.org/publications/policies/plagiarism
Policy name: ACM policy on Prior Publication and Simultaneous Submissions
Policy url: https://www.acm.org/publications/policies/simultaneous-submissions
Policy name: IEEE guidance on publishing ethics
Policy url: https://ieeeauthorcenter.ieee.org/publish-with-ieee/publishing-ethics/

**(Senior) Program Committee**

Link to (s)pc: https://2019.icse-conferences.org/track/icssp-2019-papers#Committees
File: http://portal.core.edu.au/core/media/conf_submissions_spc_file/ICSSP_2iiarkg.txt
H-index plot: http://portal.core.edu.au/core/media/conf_submissions_hindex_plots/hindex_buckets_1557.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_softwaresystems`
Position in sub-category: 20+
Image of top 20: `http://portal.core.edu.au/core/media/changes_h5/higherrank1557_gscholar_minh5.pdf`
h5-index for this conference: 14

**ACM Metrics**

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

**ACM Statistics**

Downloads in last 12 months: 10840
Average citations per article: 4
Average downloads per article: 194

**ACM Most frequently publishing**

| |
|---|
| Name: Kurt Schneider<br>Paper Count: 5<br>Google Scholar h-index: 33<br>Gscholar url: https://scholar.google.com/citations?hl=en&user=Jlu_3qcAAAAJ |
| Name: JÃijRgen MÃijNch<br>Paper Count: 7<br>Google Scholar h-index: 39<br>Gscholar url: https://scholar.google.com/citations?hl=en&user=7YIiCJoAAAAJ |
| Name: Marco Kuhrmann<br>Paper Count: 9<br>Google Scholar h-index: 23<br>Gscholar url: https://scholar.google.com/citations?user=Ut0d1ZEAAAAJ&hl=en |
| Name: Regina Hebig<br>Paper Count: 4<br>Google Scholar h-index: 17<br>Gscholar url: https://scholar.google.com/citations?hl=en&user=dr1Ymp8AAAAJ |
| Name: Barry Boehm<br>Paper Count: 5<br>Google Scholar h-index: 86<br>Gscholar url: https://scholar.google.com/citations?user=EyAD66UAAAAJ&hl=en |
| Name: Rory O'Connor<br>Paper Count: 7<br>Google Scholar h-index: 36<br>Gscholar url: https://scholar.google.com/citations?user=SdKht_IAAAAJ&hl=en |
| Name: Philipp Diebold<br>Paper Count: 5<br>Google Scholar h-index: 14<br>Gscholar url: https://scholar.google.de/citations?hl=en&user=2ji07cAAAAAJ |
| Name: Dietmar Pfahl<br>Paper Count: 5<br>Google Scholar h-index: 31<br>Gscholar url: https://scholar.google.com/citations?hl=en&user=xvo0RJcAAAAJ |
| Name: Fabrizio Maria Maggi<br>Paper Count: 4<br>Google Scholar h-index: 41<br>Gscholar url: https://scholar.google.com/citations?hl=en&user=Jo9fNKEAAAAJ |
| Name: Paul M Clarke<br>Paper Count: 6<br>Google Scholar h-index: 20<br>Gscholar url: https://scholar.google.com/citations?hl=en&user=gZ4MTA8AAAAJ |

**Aminer Rank**

Aminer rank: 35
Aminer name: International Conference on Software and System Process
Acronym / shortname: ICSSP
h-5 index: 14
CCF level: C
THU level: 0
Top Aminer Cites: http://portal.core.edu.au/core/media/conf_submissions_citations/higherrank1557_aminer_top_cite.pdf

**Other Rankings**

Not aware of any other Rankings
Conferences in area: ;;;ICSSP falls under the broad area of software engineering and within that area focuses on the topic of software and systems development processes. In the context of ICSSP, âĂIJsystemsâĂİ refers to systems that combine hardware and software, such as vehicles, defense and aerospace systems, and industrial control systems (not to computer operating systems).
Within the broad area of Software Engineering, we consider the most important conferences to be ICSE, FSE/ESEC, and ASE. These conferences publish on a broad range of software engineering topics and only incidentally include work on process-related topics that are featured at ICSSP.
Most software engineering conferences focus on subareas of software engineering, including such topics as requirements engineering (RE), software testing and analysis (ISSTA), reliability (ISSRE), software architecture (ECSA, WICSA), and others. ICSSP is distinguished from conferences in this group by its focus on software and systems development processes.
There are generally leading conferences in each of the subareas of software engineering and we regard ICSSP as the flagship conference in the area of software and systems development processes. There are other conferences related to this topic. Some of these are focused on specific development methodologies, such as Agile (XP), formal methods (FM), and object-oriented programming

(ECOOP), or on specific programming methods (ICFP, CP). Other process related conferences address specific development platforms or technologies, such as components and patterns (TOOLS) or web engineering (ICWE). Still others are specialized not with respect to methodologies or technologies but with crosscutting concerns such as evaluation and measurement (EASE, ESEM). ICSSP is distinguished from these conferences by encouraging and accommodating a breadth of topics in the process area and by fostering a community with a corresponding depth and breadth of interests.
As a further support for ICSSP as the flagship conference in the area of software and systems development processes, we can point to the results of the CORE Where People Publish tool. Among 35 top people in the area of software process, ICSSP is the second leading publication venue, trailing only ICSE, which is the leading research conference for software engineering in general. In the top twenty list of venues where the top 35 software process researchers publish, there are four other conferences that are specifically addressed to process (which of course all trail ICSSP):
3. International Conference on Software Process Improvement and Capability Determination (SPICE) 7. European Conference on Software Process Improvement (EuroSPI) 8. International Conference on Product Focused Software Process Improvement (PROFES) 10. International Conference on Business Process Management (BPM)
(and there are three additional process-focused venues listed outside the top 20).
Additionally, several of the conferences that trail ICSSP on the list of top-twenty software-process conferences are CORE A-rated conferences, including EASE, ESEM, BPM, CAiSE, and RE, supporting continuation of an A ranking for ICSSP.
Finally, we also consider that in all of these groups there are conferences that target a specific geographical region, such as Europe (EuroSPI, ECOOP, FM. ETAPS) and Asia (APLAST, APSEC). In comparison to these regional conferences, ICSSP is an international conference with a long history of begin held on different continents and encouraging international participation in its organizing committees, program committees, and contributors).

**Top People Publishing Here**

name: Barry Boehm
justification: H-index: 86 https://scholar.google.com/citations?user=EyAD66UAAAAJ&hl=en
TRW Professor of Software Engineering; and founding director of the Center for Systems and Software Engineering at the University of Southern California.
AIAA Fellow, an ACM Fellow, an IEEE Fellow, and a member of the National Academy of Engineering.
5 papers in past 5 years
Paper counts:

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

Attendance: ALWAYS
name: Alexander Egyed
justification: H-index: 49 https://scholar.google.de/citations?hl=en&user=tN-tEGIAAAAJ
Full Professor at the Johannes Kepler University (JKU), Austria and the Chair for Software-Intensive Systems. He heads the Institute of Software Systems Engineering (ISSE).
2 papers in past five years
Paper counts:

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

Attendance: OCCASIONALLY
name: Jan Bosch
justification: H-index: 43 https://scholar.google.de/citations?hl=en&user=Wr6oSWIAAAAJ
Professor of Software Engineering at Chalmers University of Technology. He has also been Vice President and Head of Laboratory at the Nokia Research Center; been Vice President Engineering Process at Intuit; and co-founded the consultancy firm Boschonian AB.
4 papers in past five years
Paper counts:

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

Attendance: SOMETIMES
name: Pekka Abrahamsson
justification: H-index: 53 https://scholar.google.com/citations?hl=en&user=A-CX3y4AAAAJ
Professor of information systems and Software Engineering at University of JyvÃđskylÃđ, Finland.
2 papers in past five years
Paper counts:

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

Attendance: OCCASIONALLY
name: Kurt Schneider
justification: H-index: 33 https://scholar.google.com/citations?hl=en&user=Jlu_3qcAAAAJ
Head of the Software Engineering Group within Computer Science, Leibniz UniversitÃđt Hannover.
6 papers in past five years
Paper counts:

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

Attendance: OCCASIONALLY
name: Marcello La Rosa
justification: H-index: 47
https://scholar.google.com/citations?hl=sv&user=RTrK8csAAAAJ
Professor of Information Systems, School of Computing and Information Systems, The University of Melbourne, Australia; Deputy Head of School for Engagement.
2 papers in past five years
Paper counts:

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

Attendance: SOMETIMES
name: Jurgen MÃijnch
justification: H-index: 39 https://scholar.google.com/citations?hl=en&user=7YIiCJoAAAAJ
Professor of Software Engineering, Entrepreneurship and Innovation at Reutlingen University, Germany. Former Finland Distinguished Professor at University of Helsinki.
6 papers in past five years
Paper counts:

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

Attendance: SOMETIMES
name: Rory O'Connor
justification: H-index: 36 https://scholar.google.com/citations?user=SdKht_IAAAAJ&hl=en
Professor of Computing at Dublin City University (DCU) Ireland and a Senior Researcher with Lero, the Irish Software Research Centre. (Deceased, 2019)
5 papers in past five years
Paper counts:

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

Attendance: ALWAYS
name: Fabrizio Maggi
justification: H-index: 41
https://scholar.google.com/citations?hl=en&user=Jo9fNKEAAAAJ
Tenured Associate Professor, Free University of Bozen-Bolzano.
3 paper in past five years
Paper counts:

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

Attendance: SOMETIMES
name: Marlon Dumas
justification: H-index: 77 https://scholar.google.de/citations?hl=en&user=9lIttRkAAAAJ
Full Professor of Software Engineering at the University of Tartu in Estonia.
2 papers in past five years
Paper counts:

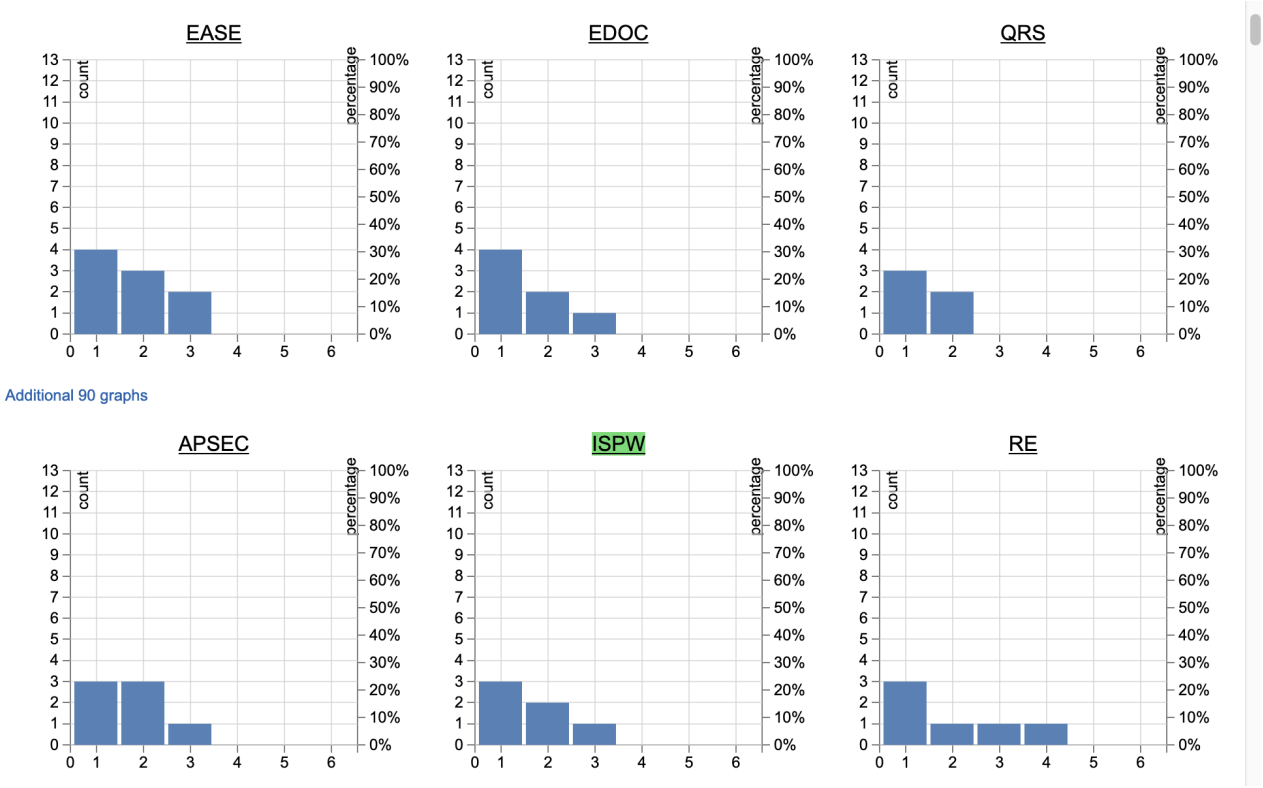
| Most Recent: | Second most recent: | Third most recent: | Fourth most recent: | Fifth most recent: |
|---|---|---|---|---|
| 0 | 1 | 1 | 0 | 0 |

Attendance: OCCASIONALLY

**Where People Publish**

**Top (Senior) Program Committee Members**

Generated Report Name: conf_submissions_top_spc/higherrank1557_top_spc.csv
WPP Report: http://portal.core.edu.au/core/media/conf_rank_report/higherrank1557_spc_report.txt
Graphs: http://portal.core.edu.au/core/media/conf_rank_graphs/higherrank1557_spc_graph.png




```
Reference item: \\ 11. International Software Process Conference / Workshop
-----------------------------------------------------------

This conference was published at 9 times by 3 of 13 experts in the last 5 years.

The experts that publish at this conference are: Rory V. O'Connor(6), Stephen G. MacDonell(1), Fabrizio Maria
Maggi(2)

In 2015, there were 2 publications by 1 experts: Rory V. O'Connor
In 2016, there were 2 publications by 1 experts: Rory V. O'Connor
In 2018, there were 3 publications by 2 experts: Rory V. O'Connor, Fabrizio Maria Maggi
In 2019, there were 2 publications by 2 experts: Stephen G. MacDonell, Fabrizio Maria Maggi

3 out of the 13 experts published at this conference in 1 or more years
2 out of the 13 experts published at this conference in 2 or more years
1 out of the 13 experts published at this conference in 3 or more years
```

**Top People Report**

Method of selection: We had difficulty in identifying top people in the software process area on Google Scholar because keywords such as ”software process” and similar terms are so widely used that they retrieve many people who are better known for, and who publish primarily in, other areas (including outside of software engineering and even outside computer science).
Furthermore, we did not believe that it was appropriate for us identify top people ourselves based on our own perceptions of the field because of the obvious risk of selection bias, even when we might make a good case for an individual's inclusion.
Consequently, we decided to do a search on DBLP using the keywords ”software process” and selected the top names resulting from that. Our search criteria made no particular reference to our conference or its committees. Indeed, according to DBLP, ICSSP/ICSP/ISPW are three of the top twenty publications on our topic (ISPW is fourth, ICSSP is eleventh, and ICSP is nineteenth). Additionally by DBLP, ICSSP/ICSP/ISPW is just one of twenty likely venues on our topic and not one of the top five most likely.
We formed our list of names from the DBLP search results in two parts. First, we took the top 20 people by number of ”software process” publications, regardless of H-index. This assures that we have the people who are most relevant to our area.
Second, we took the top 20 people by H-index, regardless of number of publications (but with a minimum of 10). This assures that we have the strongest researchers who have some tie to our area.
Note that our first list is drawn from the first 25 or so names on the search results (excluding only people with no accessible Google Scholar link or no recent publications). In contrast, people on the second list were obtained from throughout the DBLP query result, including several who appeared more than 100 places down the result list.

Keyword: Software process

| name | h-index | gscholar url |
|---|---|---|
| Wil van der Aalst | 155 | https://scholar.google.com/citations?hl=sv&user=aSZYyxIAAAAJ |
| Barry Boehm | 86 | https://scholar.google.com/citations?user=EyAD66UAAAAJ&hl=en |
| Barbara Ann Kitchenham | 78 | https://scholar.google.com/citations?hl=sv&user=CQDOm2gAAAAJ |
| Jan Mendling | 75 | https://scholar.google.com/citations?hl=sv&user=e3LVAMEAAAAJ |
| Manfred Reichert | 73 | https://scholar.google.com/citations?hl=sv&user=BHDNcesAAAAJ |
| Mario Piattini | 70 | https://scholar.google.com/citations?hl=sv&user=M91TyJcAAAAJ |
| Claes Wohlin | 60 | https://scholar.google.com/citations?hl=sv&user=gGLdjasAAAAJ |
| Lars Mathiassen | 57 | https://scholar.google.com/citations?hl=sv&user=yQ2_grwAAAAJ |
| Khaled El Emam | 57 | https://scholar.google.com/citations?hl=sv&user=_JApRIwAAAAJ |
| Sjaak Brinkkemper | 54 | https://scholar.google.com/citations?hl=sv&user=yC-jFt0AAAAJ |
| Pekka Abrahamsson | 53 | https://scholar.google.com/citations?hl=en&user=A-CX3y4AAAAJ |
| Giancarlo Succi | 52 | https://scholar.google.com/citations?hl=sv&user=PdMO57sAAAAJ |
| Walt Scacchi | 47 | https://scholar.google.com/citations?hl=en&user=EN9PeJAAAAAJ |
| Philippe Kruchten | 47 | https://scholar.google.com/citations?hl=sv&user=u74gQEUAAAAJ |
| Alain Abran | 45 | https://scholar.google.com/citations?hl=sv&user=JcyHeLYAAAAJ |
| Ricardo Colomo Palacios | 45 | https://scholar.google.com/citations?hl=sv&user=CpqizXUAAAAJ |
| Tony Gorschek | 43 | https://scholar.google.com/citations?hl=sv&user=9eXSw7UAAAAJ |
| Bill Curtis | 43 | https://scholar.google.com/citations?hl=sv&user=D5IKxV8AAAAJ |
| Guilherme Horta Travassos | 41 | https://scholar.google.com/citations?hl=sv&user=hn4LDmkAAAAJ |
| Shuvra S. Bhattacharyya | 41 | https://scholar.google.com/citations?hl=sv&user=rNpUIKAAAAAJ |
| FÃľlix GarcÃŋa 0001 | 40 | https://scholar.google.com/citations?hl=sv&user=D_mNbLOAAAAJ |
| Leon Osterweil | 40 | https://scholar.google.com/citations?hl=en&user=yvTXYDMAAAAJ |
| Jurgen MÃijnch | 39 | https://scholar.google.com/citations?hl=en&user=7YIiCJoAAAAJ |
| Mahmood Niazi | 38 | https://scholar.google.com/citations?hl=sv&user=5nWl5G4AAAAJ |
| Volker Gruhn | 37 | https://scholar.google.com/citations?hl=sv&user=Zm2xVRcAAAAJ |
| Rory O'Connor | 36 | https://scholar.google.com/citations?user=SdKht_IAAAAJ&hl=en |
| Dietmar Pfahl | 31 | https://scholar.google.com/citations?hl=en&user=xvo0RJcAAAAJ |
| Ana Regina Cavalcanti da Rocha | 29 | https://scholar.google.com/citations?hl=sv&user=BzLsFoAAAAAJ |
| David Raffo | 24 | https://scholar.google.com/citations?hl=en&user=ngDZcscAAAAJ |
| Marco Kuhrmann | 23 | https://scholar.google.com/citations?user=Ut0d1ZEAAAAJ&hl=en |
| Fergal McCaffery | 22 | https://scholar.google.com/citations?hl=sv&user=eI2pj6sAAAAJ |
| Richard Messnarz | 21 | https://scholar.google.com/citations?hl=sv&user=v2xVlnwAAAAJ |
| Paul Clarke | 20 | https://scholar.google.com/citations?hl=en&user=gZ4MTA8AAAAJ |
| Gleison Santos | 19 | https://scholar.google.com/citations?hl=sv&user=sRhO2mYAAAAJ |
| Murat Yilmaz | 16 | https://scholar.google.com/citations?hl=en&user=S7J_GYAAAAAJ |

Reference item: \\ 2. International Software Process Conference / Workshop

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This conference was published at 33 times by 13 of 35 experts in the last 5 years.

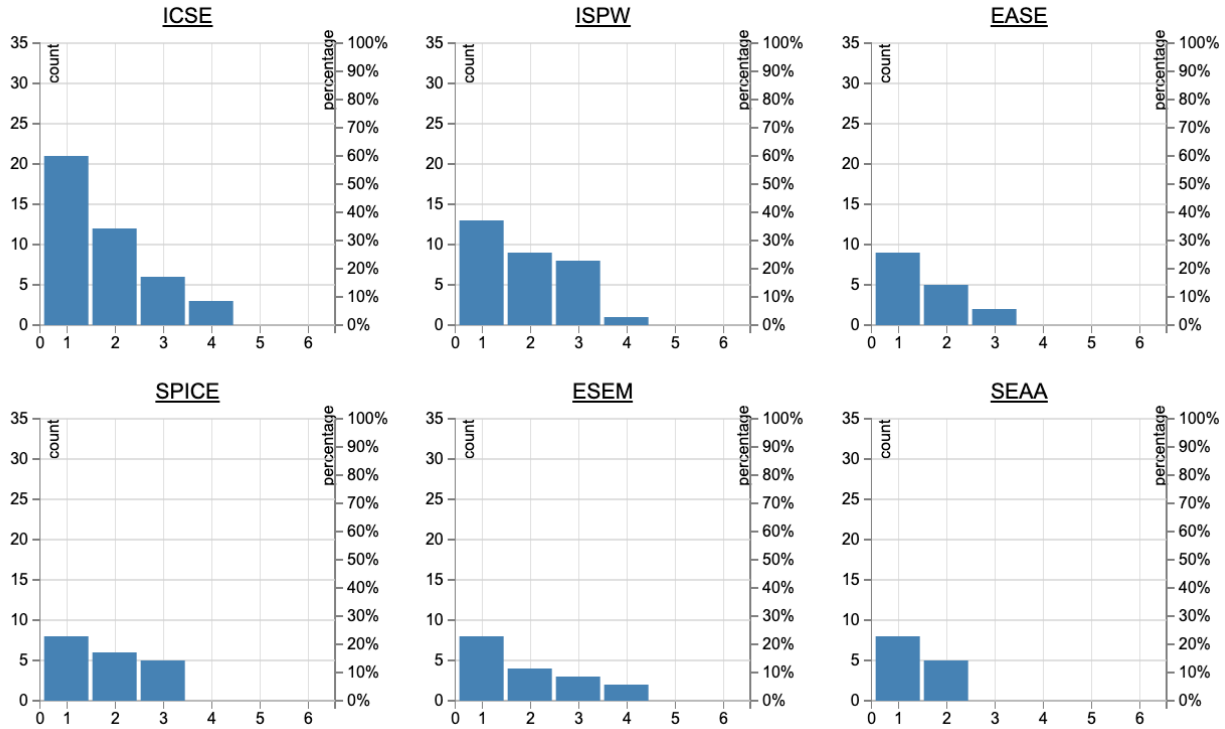
The experts that publish at this conference are: Jan Mendling(1), Barry W. Boehm(5), David Raffo(1), Dietmar Pfahl(3), Philippe Kruchten(1), Murat Yilmaz(2), Marco Kuhrmann(7), Fergal McCaffery(5), Pekka Abrahamsson(3), Jrgen Mnch(7), Paul Clarke(6), Rory O'Connor(6), Wil M. P. van der Aalst(2)

In 2015, there were 13 publications by 10 experts: Jan Mendling, Barry W. Boehm, Dietmar Pfahl, Marco Kuhrmann, Fergal McCaffery, Pekka Abrahamsson, Jrgen Mnch, Paul Clarke, Rory O'Connor, Wil M. P. van der Aalst
In 2016, there were 5 publications by 4 experts: Fergal McCaffery, Barry W. Boehm, Paul Clarke, Rory O'Connor
In 2017, there were 5 publications by 4 experts: Jrgen Mnch, Fergal McCaffery, Marco Kuhrmann, Barry W. Boehm
In 2018, there were 5 publications by 6 experts: Wil M. P. van der Aalst, Pekka Abrahamsson, Murat Yilmaz, Dietmar Pfahl, Paul Clarke, Rory O'Connor
In 2019, there were 5 publications by 7 experts: Dietmar Pfahl, Pekka Abrahamsson, Barry W. Boehm, David Raffo, Jrgen Mnch, Philippe Kruchten, Marco Kuhrmann

13 out of the 35 experts published at this conference in 1 or more years
9 out of the 35 experts published at this conference in 2 or more years
8 out of the 35 experts published at this conference in 3 or more years
1 out of the 35 experts published at this conference in 4 or more years WPP Report:
http://portal.core.edu.au/core/media/conf_rank_report/higherrank1557_top_people_report.txt
Graphs: http://portal.core.edu.au/core/media/conf_rank_graphs/higherrank1557_top_people_graph.png

*Repeat year publishing*

***These graphs show numbers of people publishing in multiple years.Each column shows number of people in that many or more years. The number publishing in a specific number of years can be seen by the difference with respect to the previous column.***




**Other Information**

**Comparator Comparison**

**Comparator**

International Conference on Evaluation and Assessment in Software Engineering

Explanation as to why conference is superior to comparator:
EASE is an A-level conference within the software engineering domain. We believe that ICSSP is broadly comparable to EASE in quality while being significantly different in scope. There is a case to be made that EASE is slightly stronger than ICSSP in some respects while ICSSP, is slightly stronger than EASE in others. On balance, we believe that both are well placed as âĂIJAâĂİ ranked conferences.
We make our comparison based on the following considerations:
ACM Bibliometrics
ACM bibliometric data can be obtained from the respective conference pages at conference page at `https://dl.acm.org/conference/` ¡conf-name¿. Regarding cumulative statistics, EASE may have an advantage because EASE is generally a larger conference. Per-article bibliometrics for the two conferences are shown in Table 1. Regarding downloads and citations per article, EASE is stronger than ICSSP, but the difference can be seen as quantitative rather than qualitative.
Table 1. ACM Bibliometrics for EASE and ICSSP.
Conference Years Publication Count Average Citation per Article Average Download per Article EASE 2013-2020 364 6 237 ICSSP 2011-2020 283 4 194
Acceptance Rates
Acceptance rates for EASE and ICSSP have been comparable. Acceptance percentages for 2016-2019 are shown in Table 2. The data for this table was obtained from the front matter of the proceedings of ICSSP and EASE during the years of 2016-2019 which are available online.
Table 2: Acceptance Rates for ICSSP and EASE, 2016-2019 (percentages calculated as full papers accepted over full papers submitted).
Year ICSSP Acceptance Rates EASE Acceptance Rates 2019 35.9% 27.4% 2018 22.2% 23.1% 2017 35.5% 37.5% 2016 24.1% 28.0%
Acceptance rates for ICSSP and EASE have been in the same general range. ICSSP had lower acceptance rates than EASE for three out of the four compared years. On this basis we believe that ICSSP and EASE are comparable with ICSSP having a slight advantage.
Where Top People Publish
As presented in Part D., question 2 of this questionnaire, âĂIJTop People ReportâĂİ, we compiled a list of 35 top people who publish on the topic of âĂIJsoftware processâĂİ and submitted this to the Where People Publish tool. Per the requirements of that part, the people on the list were identified without reference to ICSSP or its committees.
The report returned by the WPP tool listed ICSSP (identified as âĂIJ”International Software Process Conference / WorkshopâĂİ) the second highest conference where top people in software process publish. ICSSP is behind only ICSE, an A* conference that is the top research conference in the software engineering field. EASE was rated third on this list. (In the list of top-20 venues in this area, ICSSP

was rated ahead of four other process-focused conferences and ahead of four other A-rated conferences in addition to EASE. One of those was BPM, an A-rated process conference that was 11th on the list.)
Conference Scope
The scopes of EASE and ICSSP are quite distinct. The scope of EASE is described by this statement from the EASE 2019 proceedings: ”The conference focuses on a wide range of topics, including systematic reviews and surveys, measurement and estimation, software requirements, software testing, prediction and machine learning, case studies, system management, artefact analysis, repository mining, human factors, and team development.âĂİ
From this we see that the scope of EASE is bracingly broad and note that process is not among the topics mentioned.
The scope of ICSSP, in contrast, is focused on software and systems processes. A representative statement of scope can be found in the ICSSP 2019 Call for Submissions at https://2019.icse-conferences.org/track/icssp-2019-papers#Call-for-Submissions. The list of suggested topics there is too long to replicate here, but It contains 13 items, ten of which refer explicitly to process, while a process context is clearly implied for the other three. Of the 14 full papers in the ICSSP 2019 proceedings, all address some aspect of software or systems processes.
These two styles of conference, with broader versus narrower scopes, both play important roles, but those roles make distinct contributions. A broad conference like EASE supports research activity across a range of topics and helps to bring together and connect groups of people from many different domains. In contrast, a more focused conference like ICSSP can foster and sustain a community of people who share an interest in a topic and come together to pursue it in depth.
In Sum
We see ICSSP and EASE as strong conferences that are both well placed at the âĂIJAâĂİ ranking level. While EASE has somewhat stronger bibliometrics related to downloads and citations, ICSSP is comparable (if not slightly stronger) in the areas of acceptance rates and it is ranked second among top people in software process by the WPP tool whereas EASE was ranked 3rd.
The biggest contrast between the conferences is in their scopes, where the in-depth focus of ICSSP can offer value for the process community that the broader scope of EASE cannot do for its attendees.
We firmly believe that EASE is an A-level conference. We see ICSSP as being on a comparable level of quality. Therefore, we believe that ICSSP should maintain its A rating. The area of Software and Systems Process merits a focused âĂIJAâĂİ ranked conference.
Link to comparator report:
http://portal.core.edu.au/core/media/conference_submission_2020/Data_Comparator_for_1557_699.pdf

**Comparator**

European Conference on Software Architecture

Explanation as to why conference is superior to comparator:
ECSA is an A-level conference within the software engineering domain. We believe that ICSSP is comparable to ECSA in quality while being different in scope. There is a case to be made that ECSA is slightly stronger than ICSSP in some respects while ICSSP is stronger than ECSA in others. On balance, we believe that both are well placed as âĂIJAâĂİ ranked conferences.
We make our comparison based on the following considerations:
ACM Bibliometrics
ACM bibliometric data can be obtained from the respective conference pages at conference page at https://dl.acm.org/conference/¡conf-name¿. Selected bibliometric data are shown in Table 1. (Note that for both conferences the data cover ten years, although the data for ECSA apply to a one-year earlier decade.)
Table 1. ACM Bibliometrics for ECSA and ICSSP.
Conference Years Publication Count Citation Count Downloads (cumulative) Downloads (12 months) Average Citation per Article Average Downloads per Article ECSA 2010-2019 255 973 53, 084 10, 574 4 218 ICSSP 2011-2020 283 1, 126 52, 707 10, 864 4 194
The bibliometric data for ECSA and ICSSP are very similar. ICSSP has a slightly higher citation count but for somewhat more publications. Cumulative downloads are slightly higher for ECSA while 12-month downloads are slightly higher for ICSSP. Their average citations per article are the same. ECSA has slight advantage in average downloads per article but (on average) their articles have been available for download slightly longer than articles from ICSSP. Overall, by these bibliometric criteria we see ECSA and ICSSP as essentially equivalent.
Acceptance Rates
Comparison of acceptance rates for ECSA and ICSSP is complicated by the different approaches the conferences take to computing acceptance-rate metrics for their research papers. ICSSP both solicits and accepts full and short research papers, whereas ECSA solicits only full research papers but accepts these papers as either full papers or short papers (learned from correspondence with an ECSA Conference organizer). To try to accommodate these different approaches, we have constructed two different comparisons of acceptance rates, shown in the tables below. The data for tables 2 and 3 have been gathered from the front matter of the proceedings from both conferences during the years 2016-2019 which are available online.
Table 2. Comparison of ICSSP and ECSA acceptance rates A.
Year ICSSP Acceptance Rates ECSA Acceptance Rates 2019 35.9% 28.3% 2018 22.2% 23.8% 2017 35.5% 27.9% 2016 24.1% 27.4%
The numbers in Table 2 are calculated for both conferences using full research papers submitted versus full research papers accepted (in the case of ECSA all papers are submitted as full papers). These numbers match ICSSPâĂŹs reported acceptance rates for full papers and ECSAâĂŹs acceptance rates for all papers.
Table 3. Comparison of ICSSP and ECSA acceptance rates B.
Year ICSSP Acceptance Rates ECSA Acceptance Rates 2019 28.0% 17.5% 2018 15.7% 19.8% 2017 26.2% 16.7% 2016 13.7% 14.3%
The numbers in Table 3 are calculated for both conferences using full papers accepted versus all research papers submitted (regardless of length). These numbers match ECSAâĂŹs reported acceptance rates for full papers. ICSSP does not report numbers this way but

they are more comparable to ECSAâĂŹs published rates. As can be seen from Tables 2 and 3, ECSA and ICSSP acceptance rates are very comparable. ICSSP has lower acceptance rates for 2 out of the 4 recent years.
On the basis of the data, we believe that ECSA and ICSSP are comparable conferences with similar acceptance rates.
Where Top People Publish
As presented in Part D., question 2 of this questionnaire, âĂIJTop People ReportâĂİ, we compiled a list of 35 top people who publish on the topic of âĂIJsoftware processâĂİ and submitted this to the Where People Publish tool. Per the requirements of that part, the people on the list were identified without reference to ICSSP or its committees.
The report returned by the WPP tool listed ICSSP (identified as âĂIJ"International Software Process Conference / WorkshopâĂİ) as the second highest conference where top people in software process publish. ICSSP is behind only ICSE, an A* conference that is the top research conference in the software engineering field. ECSA is listed as #25 in the generated report.
By the results of the WPP tool for top people in software process we conclude that ICSSP has a much stronger standing than ECSA.
Conference Scope
While there is some overlap in the area of interest, the areas of research covered by ECSA and ICSSP are distinct overall. The scope of ECSA is comprehensively addressed to software (and systems) architecture, whereas the scope of ICSSP is comprehensively addressed to software and systems processes. In this regard, we believe that ECSA and ICSSP play comparable roles and are similarly significant within their respective areas. Both foster and sustain a community of people who share an interest in a topic and come together to pursue it in depth.
In Sum
We see ICSSP and ECSA as strong conferences that are well placed at the âĂIJAâĂİ ranking. They are very comparable with respect to bibliometrics, they seem broadly similar in their acceptance rates, ICSSP does hold a distinct advantage considering publishing by top people in software process (perhaps not surprisingly), and both address a focused scope that provides a significant, in-depth benefit to their respective communities.
We firmly believe that ECSA is an A-level conference. We see ICSSP as being on a comparable level of quality. Therefore, we believe that ICSSP should maintain its A rating. The area of Software and Systems Process merits a focused âĂIJAâĂİ ranked conference.
Link to comparator report:
http://portal.core.edu.au/core/media/conference_submission_2020/Data_Comparator_for_1557_885.pdf

**Other Relvant Info**

Other relevant information: Please see the letters and perspective in the associated file of ICSSP supporting materials.

**Attachments**

http://portal.core.edu.au/core/media/request_attachment/ICSSP_CORE_supporting_materials_IlDJlTi.pdf

**Proposers**

First name: Leon
Last name: Osterweil
Affiliation: Professor and Dean EmeritusCollegeof Information and Computer Sciences University of Massachusetts, Amherst USA
Email: ljo@cs.umass.edu

First name: Dieter
Last name: Rombach
Affiliation: Founding Director and Executive ConsultantFraunhofer Institute for Experimental Software Engineering IESEKaiserslautern, Germany
Email: Dieter.Rombach@iese.fraunhofer.de

First name: David
Last name: RAffo
Affiliation: Professor School of Business AdministrationCollege of Engineering and Computer Science Portland State University, USA
Email: cedr@pdx.edu

First name: Stanley
Last name: Sutton
Affiliation: IBM Research (retired) Yorktown Heights, NY, USA
Email: suttonsm.se@gmail.com

**Submitted By**

Name: Sutton Stanley
Email: suttonsm.se@gmail.com