



Scientific Writing, Integrity and Ethics I

Introduction

Guoqiang Li
School of Software



SHANGHAI JIAO TONG
UNIVERSITY

Course Information

Important Notifications

This lecture is oriented to students major in computer sciences, as well as in software engineering!

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The evaluation criterion of academic papers in computer sciences is quite different from other majors.

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The evaluation criterion of academic papers in computer sciences is quite different from other majors.

Students other than School of Software and Department of CST are suggested to quit this lecture (Almost all departments have their own lectures).

Guoqiang LI

Guoqiang LI

- Homepage: <https://basics.sjtu.edu.cn/%7Eliquoqiang>
- Canvas: <https://oc.sjtu.edu.cn/courses/58243>
- Email: li.g@outlook.com
- Office: Rm. 1212, Building of Software
- Phone: 3420-4167

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- Phone: 3420-4167

TA:

- Junyong CHEN: 2496637474 (AT) qq (DOT) com

Score Policy

Attendee 40%

A report 60%

A team with two members

Report

A team with two members

Well-organized, with references, with examples, in Chinese

A team with two members

Well-organized, with references, with examples, in Chinese

- lecture notes 2-7 (type: L2-L7)
- integrity and ethics in computer science and software engineering.
- registration link : <https://docs.qq.com/sheet/DRFZVS0RESHBVWGVt>
- each group at most 2 teams

Candidates

- A Computer Architecture
- B Parallel and Distributed Computing
- C Computer Networks
- D Security
- E Software Engineering
- F System Software
- G Programming Languages
- H Database and Data Mining
 - I Theoretical Computer Science
- J Computer Graphics and Multimedia
- K Artificial Intelligence
- M Human Machine Interaction
- N Interdisciplinary
- O Big data
- P LLM

- 1 Privacy
- 2 Freedom and Control
- 3 Intellectual Property
- 4 Crime and Security
- 5 Employment
- 6 Error, Failure and Risks

...

Why Papers

Mostly Asked Questions by Students

Mostly Asked Questions by Students

How to write a paper?

How to respond to the reviewers/editors?

How to make a good presentation?

Mostly Asked Questions by Students

How to write a paper?

How to respond to the reviewers/editors?

How to make a good presentation?

What are the rules for publishing a paper?

What are the rules for saving and sharing data?

What are the ethics in engineering design?

What are the ethics in computer science study?

Mostly Asked Questions by Students

How to write a paper?

How to respond to the reviewers/editors?

How to make a good presentation?

What are the rules for publishing a paper?

What are the rules for saving and sharing data?

What are the ethics in engineering design?

What are the ethics in computer science study?

but, **before that...**

Why Papers?

Why Papers?

What Is a Paper?

Syllogism for Papers

Life is like a journey.

Syllogism for Papers



Life is like a journey.

Research is a part of life.

Syllogism for Papers

Life is like a journey.

Research is a part of life.

Thus, research is like a journey.

Syllogism for Papers

Life is like a journey.

Research is a part of life.

Thus, research is like a journey.

Papers are like photos when you are on a journey.

Syllogism for Papers

Life is like a journey.

Research is a part of life.

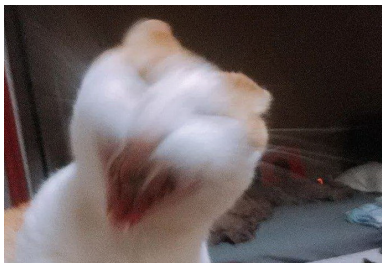
Thus, research is like a journey.

Papers are like photos when you are on a journey.



Papers as Photos

A good **explorer** is not necessarily to
be a good **photographer**.



Paper Categories (Only for Computer Sciences)

Paper Categories (Only for Computer Sciences)

Peer review

Chinese characteristics

Paper Categories (Only for Computer Sciences)

Peer review

- Conference papers

Chinese characteristics

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Peer review

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- Journal papers

Paper Categories (Only for Computer Sciences)

Peer review

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Chinese characteristics

- Journal papers
 - SCI, EI ...

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Peer review

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Chinese characteristics

- Journal papers
 - SCI, EI ...
 - so called Stupid Chinese Index...

Paper Categories (Only for Computer Sciences)

Peer review

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Chinese characteristics

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black list Vs. white list

Link: https://www.ccf.org.cn/Academic_Evaluation/By_category/


中国计算机学会
China Computer Federation
为计算领域的专业人士服务

CCNC2020
FCES2020 CNCC2020 NOI YEF

加入CCF

关于CCF 新闻 会员 活动 出版物 数字图书馆 分支机构 奖励 计算机历史 合作 学会党建

您的位置: 首页 > 学术评价 > CCF推荐国际学术刊物目录

CCF推荐国际学术...
计算机体系结构/...
计算机网络
网络与信息安全
软件工程/系统软...
数据库/数据挖掘/...
计算机科学理论
计算机图形学与多...
人工智能
人机交互与普适计算
交叉/综合/新兴
CCF推荐中文科技...
联系我们

中国计算机学会推荐国际学术会议和期刊目录

阅读量:822906 2016-12-27 收藏本文

中国计算机学会(CCF)日前完成了《中国计算机学会推荐国际学术会议和期刊目录》(下文简称“目录”)第五版审定,现予发布。

2018年12月,CCF决定启动新一轮《目录》更新工作。此次更新距第四版目录(2015年12月)发布已有三年。本次更新的原则是:在既有基础上进行微调,领域分布保持不变,期刊和会议的推荐类别保持不变。目录仍分为A、B、C三类,其中,会议论文指“Full paper”或“Regular paper”(正式发表的长文),对于会议上其他形式发表的论文如Short paper、Demo paper、Technical Brief、Summary以及作为伴随会议的Workshop等不计入目录考虑的范围。需要说明的是,一些出版社和学术社团编发的magazine(杂志)未纳入本“目录”的推荐期刊列表中。

本次“目录”更新工作分为三个阶段完成:提议受理阶段、领域责任专家审议和初审推荐阶段,以及终审核准阶段。根据CCF的授权和工作安排,整个“目录”更新工作由CCF学术工委主持并组织CCF相关领域的专家完成。同时,CCF学术工委还负责为初审推荐阶段收集、整理和提供所需要的期刊会议相关数据以及国际上同行的观点与看法,并提供其它所需的辅助工作支撑。

62

Journal series

- Ranking A: 3
- Ranking B: 13
- Ranking C: 8

Conference series

- Ranking A: 9
- Ranking B: 20
- Ranking C: 25

CCF Ranking- SE as Example

关于目录

- 计算机体系结构/并行与分布计算/存储系统
- 计算机网络
- 网络与信息安全
- 软件工程/系统软件/程序设计语言**
- 数据库/数据挖掘/内容检索
- 计算机科学理论
- 计算机图形学与多媒体
- 人工智能
- 人机交互与普适计算
- 交叉/综合/新兴
- 联系我们

中国计算机学会推荐国际学术刊物 (软件工程/系统软件/程序设计语言)

A类

序号	刊物名称	刊物全称	出版社	地址
1	TOPLAS	ACM Transactions on Programming Languages & Systems	ACM	http://dblp.uni-trier.de/db/journals/toplas/
2	TOSEM	ACM Transactions on Software Engineering and Methodology	ACM	http://dblp.uni-trier.de/db/journals/tosem/
3	TSE	IEEE Transactions on Software Engineering	IEEE	http://dblp.uni-trier.de/db/journals/tse/

B类

序号	刊物名称	刊物全称	出版社	地址
1	ASE	Automated Software Engineering	Springer	http://dblp.uni-trier.de/db/journals/ase/
2	ESE	Empirical Software Engineering	Springer	http://dblp.uni-trier.de/db/journals/ese/
3	TSC	IEEE Transactions on Service Computing	IEEE	http://dblp.uni-trier.de/db/journals/tsc/
4	IETS	IET Software	IET	http://dblp.uni-trier.de/db/journals/iee/index.html
5	IST	Information and Software Technology	Elsevier	http://dblp.uni-trier.de/db/journals/infosof/index.html
6	JFP	Journal of Functional Programming	Cambridge	http://dblp.uni-trier.de/db/journals/jfp/

CCF Ranking- SE as Example



中国计算机学会推荐国际学术会议 (软件工程/系统软件/程序设计语言)

A类

序号	刊物名称	刊物全称	出版社	地址
1	PLDI	ACM SIGPLAN Symposium on Programming Language Design & Implementation	ACM	http://dblp.uni-trier.de/db/conf/pldi/
2	POPL	ACM SIGPLAN-SIGACT Symposium on Principles of Programming Languages	ACM	http://dblp.uni-trier.de/db/conf/popl/
3	FSE/ESEC	ACM SIGSOFT Symposium on the Foundation of Software Engineering/ European Software Engineering Conference	ACM	http://dblp.uni-trier.de/db/conf/sigsoft/
4	SOSP	ACM Symposium on Operating Systems Principles	ACM	http://dblp.uni-trier.de/db/conf/sosp/
5	OOPSLA	Conference on Object-Oriented Programming Systems, Languages, and Applications	ACM	http://dblp.uni-trier.de/db/conf/oopsla/
6	ASE	International Conference on Automated Software Engineering	IEEE/ACM	http://dblp.uni-trier.de/db/conf/kbse/
7	ICSE	International Conference on Software Engineering	ACM/IEEE	http://dblp.uni-trier.de/db/conf/icse/
8	ISSTA	International Symposium on Software Testing and Analysis	ACM	http://dblp.uni-trier.de/db/conf/issta/
9	OSDI	USENIX Symposium on Operating Systems Design and	USENIX	http://dblp.uni-trier.de/db/conf/osdi/



4:22

中国科学院文献情报...

2018年期刊分区表

2018年12月11日发布

IEEE Transactions on Systems Man
Cybernetics-Systems

2168-2216

大类

工程技术 2 区

小类

AUTOMATION & CONTROL SYSTEMS 自动
化与控制系统 3 区

COMPUTER SCIENCE, CYBERNETICS 计算
机: 控制论 2 区

评价指标

Review	3年平均IF	2年总被引
否	3.028	11201

Web of Science 收录

中科院分区

- 一区-四区

期刊分区

4:22

中国科学院文献情报...

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2168-2216

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小类

AUTOMATION & CONTROL SYSTEMS 自动
化与控制系统 **3** 区

COMPUTER SCIENCE, CYBERNETICS 计算
机：控制论 **2** 区

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Web of Science 收录

中科院分区

- 一区-四区

JCR分区:

- Q1-Q4

Other Terminologies: IF

Impact factor (IF)

Impact factor (IF)

$$JCR(J, Y) = c(Y; Y - 2, Y - 1) / p(Y - 2, Y - 1)$$

where

- $p(Y - 2, Y - 1)$: number of articles published in journal J in the previous two years ($Y - 1$ and $Y - 2$),
- $c(Y; Y - 2, Y - 1)$ is the number of citations in year Y of papers published during the previous two years in journal J .

Other Terminologies: ESI

Essential Science Indicators (ESI)

Other Terminologies: ESI

Essential Science Indicators (ESI)

Entity	Percentile	Data Years
Researchers	1%	10
Institutions	1%	10
Countries	50%	10
Journals	50%	10
Highly Cited Papers	1%	10
Hot Papers	0.1%	2

Other Terminologies: ESI

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Highly Cited Papers	1%	10
Hot Papers	0.1%	2

e.g. **Highly Cited Papers** are papers that have received enough citations to place them in the top **1%** when compared to all other papers published in the same year in the same field.

交大 A、B类





Jordi Cabot, Javier Luis Cánovas Izquierdo, Valerio Cosentino. Are CS Conferences (Too) Closed Communities?
Communications of the ACM, Vol. 61 (10), 32-34, 2018

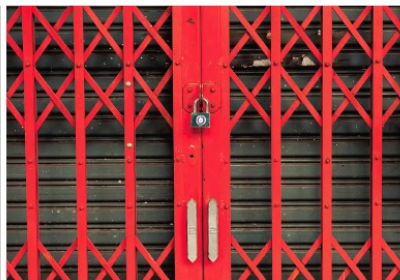
Viewpoint

Are CS Conferences (Too) Closed Communities?

Assessing whether newcomers have a more difficult time achieving paper acceptance at established conferences.

PUBLICATION IN TOP conferences is a key factor, albeit controversial,³⁴ in the dissemination of ideas and career promotion in many areas of computer science. Therefore, it is a major goal for every CS researcher. However, many researchers believe publishing in a top conference is something reserved for the established members of the conference community. For newcomers, this is a tough nut to crack. Indeed, when talking with fellow researchers the assumed unspoken truth is always the same: If you are not one of “them,” you have no chance to get “in” on your own.

If this were true, it would imply that senior researchers wishing to change fields during their research career may have a difficult time doing so. And the impact would be even more dramatic for junior researchers: they could only access top venues by going together with their supervisor, limiting their options to make a name for themselves—exactly the opposite of what evaluation on commit-



change it)? Our goal in this Viewpoint is to shed some light on these issues.

Looking at the Data

To assess whether it is actually true that newcomers have a difficult time

achieving paper acceptance at established conferences, we were able to find available data in the DBLP dataset, the well-known online reference for computer science bibliographic information. The choice of CORE as ranking system is based on

Results show that newcomers' papers are indeed scarce. Most conferences (88%) show a percentage of newcomer papers under 40%. This value is significantly lower in top conferences, with a median value of 14%. As specific examples, well-regarded conferences show the following values: ICSE (5%), OOPSLA (13%), ICFP (11%), RE (6%). We may be tempted to quickly dismiss these numbers by attributing the low percentage of newcomers papers to a lack of newcomer submissions. While it is true that CS communities are shrinking (at least based on ACM tables for SIG memberships), which could imply that the "newcomers pool" is smaller, our analysis suggests that newcomer paper submissions represent at least one-third of the total number of submissions.^b

Conference Submission and Acceptance



SHANGHAI JIAO TONG
UNIVERSITY

Conference Submission and Acceptance

AAAI

Conference Submission and Acceptance

AAAI

- AAI 2017: 639/2571

Conference Submission and Acceptance

AAAI

- AAI 2017: 639/2571
- AAI 2018: 938/3808

Conference Submission and Acceptance

AAAI

- AAI 2017: 639/2571
- AAI 2018: 938/3808
- AAI 2019: 1150/7745

Conference Submission and Acceptance

AAAI

- AAI 2017: 639/2571
- AAI 2018: 938/3808
- AAI 2019: 1150/7745
- AAI 2020: 1591/8881

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- AAI 2017: 639/2571
- AAI 2018: 938/3808
- AAI 2019: 1150/7745
- AAI 2020: 1591/8881
- AAI 2021: 1692/9034

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- AAI 2017: 639/2571
- AAI 2018: 938/3808
- AAI 2019: 1150/7745
- AAI 2020: 1591/8881
- AAI 2021: 1692/9034
- AAI 2022: 1349/11000+(9251)

AAAI

- AAAI 2017: 639/2571
- AAAI 2018: 938/3808
- AAAI 2019: 1150/7745
- AAAI 2020: 1591/8881
- AAAI 2021: 1692/9034
- AAAI 2022: 1349/11000+(9251)

ICSE

AAAI

- AAAI 2017: 639/2571
- AAAI 2018: 938/3808
- AAAI 2019: 1150/7745
- AAAI 2020: 1591/8881
- AAAI 2021: 1692/9034
- AAAI 2022: 1349/11000+(9251)

ICSE

- ICSE 2017: 67/415

AAAI

- AAI 2017: 639/2571
- AAI 2018: 938/3808
- AAI 2019: 1150/7745
- AAI 2020: 1591/8881
- AAI 2021: 1692/9034
- AAI 2022: 1349/11000+(9251)

ICSE

- ICSE 2017: 67/415
- ICSE 2018: 105/502

AAAI

- AAAI 2017: 639/2571
- AAAI 2018: 938/3808
- AAAI 2019: 1150/7745
- AAAI 2020: 1591/8881
- AAAI 2021: 1692/9034
- AAAI 2022: 1349/11000+(9251)

ICSE

- ICSE 2017: 67/415
- ICSE 2018: 105/502
- ICSE 2019: 109/529

AAAI

- AAAI 2017: 639/2571
- AAAI 2018: 938/3808
- AAAI 2019: 1150/7745
- AAAI 2020: 1591/8881
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- AAAI 2022: 1349/11000+(9251)

ICSE

- ICSE 2017: 67/415
- ICSE 2018: 105/502
- ICSE 2019: 109/529
- ICSE 2020: 131/546

AAAI

- AAAI 2017: 639/2571
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- AAAI 2019: 1150/7745
- AAAI 2020: 1591/8881
- AAAI 2021: 1692/9034
- AAAI 2022: 1349/11000+(9251)

ICSE

- ICSE 2017: 67/415
- ICSE 2018: 105/502
- ICSE 2019: 109/529
- ICSE 2020: 131/546
- ICSE 2021: 138/615

AAAI

- AAAI 2017: 639/2571
- AAAI 2018: 938/3808
- AAAI 2019: 1150/7745
- AAAI 2020: 1591/8881
- AAAI 2021: 1692/9034
- AAAI 2022: 1349/11000+(9251)

ICSE

- ICSE 2017: 67/415
- ICSE 2018: 105/502
- ICSE 2019: 109/529
- ICSE 2020: 131/546
- ICSE 2021: 138/615
- ICSE 2022: 197/751

For experience:

Out of 7583 total #ICLR2020 reviews:

1078 "do not know much about this area"

2484 "have read many papers in this area"

2604 "have published 1 or 2 papers"

1417 "have published in this field for many years"

47% of reviews haven't published in this area!

Journal Selections

9:11 📶 🔋

< 中国科学院文献情报... ⋯ 🔍

2018年期刊分区表

2018年12月11日发布

IEEE Transactions on Industrial Informatics

1551-3203

大类

工程技术 1 区 Top

小类

AUTOMATION & CONTROL SYSTEMS 自动化与控制系统 1 区

COMPUTER SCIENCE, INTERDISCIPLINARY APPLICATIONS 计算机：跨学科应用 1 区

ENGINEERING, INDUSTRIAL 工程：工业 1 区

评价指标

Review	3年平均IF	2年总被引
否	5.634	15350

IEEE Transactions on Industrial Informatics

Journal Selections



IEEE Transactions on Industrial Informatics

- 2012: 3.381

9:11

中国科学院文献情报...

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- 2012: 3.381
- 2013: 8.785

9:11

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IEEE Transactions on Industrial Informatics

- 2012: 3.381
- 2013: 8.785
- 2014: 0
- 2015: 4.708
- 2016: 6.764
- 2017: 5.43
- 2018: 7.377
- 2019: 9.112
- 2020: 10.215
- 2021: 11.648



Limin Hou, Wenhao Li, Hesong Shen, Taochang Li:

Fuzzy Sliding Mode Control for Systems With Matched and Mismatched Uncertainties/Disturbances Based on ENDOB. 666-673

Ze Yu, Wenjiao Chen, Peng Xiao, Chunsheng Li:

AgileSAR: Achieving Wide-Swath Spaceborne SAR Based on Time-Space Sampling. 674-686

Hui Zhu, Hongbin Liang, Lian Zhao, Dai-Yuan Peng, Ling Xiong:

t-Safe (l,k)-Diversity Privacy Model for Sequential Publication With High Utility. 687-701

Qingqing Yang, Yanqing Ye:

A Dual-Channel Equilibrium Management Model for Service Products Under Electronic Commerce Environment. 702-713

Lijuan Zhang, Wenlong Liu, Qian Liu, Minglu Jin, Sang-Jo Yoo:

Unsupervised Clustering for Nonlinear Equalization in Indoor Millimeter-Wave Communications. 714-727

Young-Rae Cho, Seung-Jun Shin, Sung-Hyuk Yim, Kyeongbo Kong, Hyun-Woong Cho, Woo-Jin Song:

Multistage Fusion With Dissimilarity Regularization for SAR/IR Target Recognition. 728-740

Mingda Zhai, Aming Hao, Xiaolong Li, Zhiqiang Long:

Research on the Active Guidance Control System in High Speed Maglev Train. 741-752

Rui Lai, Juntao Guan, Yintang Yang, Ai Xiong:

Spatiotemporal Adaptive Nonuniformity Correction Based on BTV Regularization. 753-762

Jiabin Cui, Guo-Wei Lu, Hongxiang Wang, Yuefeng Ji:

On-Chip Optical Vector Quadrature De-Multiplexer Proposal for QAM De-Aggregation by Single Bi-Directional SOA-Based Phase-Sensitive Amplifier. 763-772

Jianhua Zhong, Jun Zhang, Jiejunyi Liang, Haiqing Wang:

Multi-Fault Rapid Diagnosis for Wind Turbine Gearbox Using Sparse Bayesian Extreme Learning Machine. 773-781

Yuzhen Niu, Yini Zhong, Wenzhong Guo, Yiqing Shi, Peikun Chen:

2D and 3D Image Quality Assessment: A Survey of Metrics and Challenges. 782-801



Junxiu Liu, Jinlei Zhang, Yuling Luo, Su Yang, Jinling Wang, Qiang Fu:

Mass Spectral Substance Detections Using Long Short-Term Memory Networks. 10734-10744

Syed Umar Amin, M. Shamim Hossain, Ghulam Muhammad, Musaed Alhusein, Mohamed Abdur Rahman:

Cognitive Smart Healthcare for Pathology Detection and Monitoring. 10745-10753

Zheng Tang, Yen-Shuo Lin, Kuan-Hui Lee, Jenq-Neng Hwang, Jen-Hui Chuang:

ESTHER: Joint Camera Self-Calibration and Automatic Radial Distortion Correction From Tracking of Walking Humans. 10754-10766

Mengjun Zeng, Nanfeng Xiao:

Effective Combination of DenseNet and BiLSTM for Keyword Spotting. 10767-10775

Li Zhihui, Cao Qian, Yonghua Zhao, Tao Pengfei, Zhuo Rui:

Krill Herd Algorithm for Signal Optimization of Cooperative Control With Traffic Supply and Demand. 10776-10786

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Blue Pill or Red Pill





D. Patterson, L. Snyder, and J. Ullman. Best practices Memo: Evaluating Computer Scientists and Engineers for Promotion and Tenure. Computer Research Association, 1999.

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C. E. Glassick, M. T. Huber, and G. I. Maeroff, Scholarship Assessed: Evaluation of the Professoriate. Jossey-Bass, 1997.

M. Y. Vardi, Conferences vs. Journals in Computing Research. Communications of the ACM, Vol. 52(5), 5–5, 2009

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