

# Publishing in Computer Science: an overview of options and Q&A

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**SPRINGER NATURE**

# A little about me...

**Aliaksandr (Alex) Birukou**  
**Александр Бирюков**

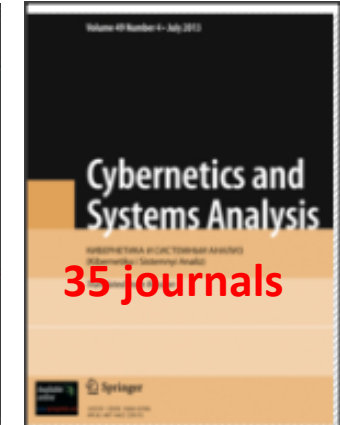
Vice President Journals, Russia  
 PhD in Computer Science

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Journals from Russia and ex USSR,  
 conference proceedings from Russia,  
 Innovation projects



## Journals:



Represent editorial in internal workgroups and research projects

- Data publishing  **figshare**
- Chair Crossref/DataCite group on persistent IDs for conferences

# Who is Springer Nature?

*In May 2015*



nature research



SCIENTIFIC  
AMERICAN™

palgrave  
macmillan

## All publishing fields

Economics &  
Management Science

Social Sciences

Medicine

Physics & Astronomy

Engineering

Life Sciences

Mathematics

Chemistry

Computer Science

Humanities

Geosciences

# Outline

Why publish and where: conference proceedings, journals, books.

Research impact : rankings and indexing

Predatory publishers

Open Science, persistent IDs (ORCID, etc), CrossMark, Data Publishing

## **Extra slides:**

The role of publishers and different publishing options

Peer review and publication ethics: publication misconduct, retractions, duplicate publications

Tools and books to improve your writing skills

# Why publish?

- To exchange ideas globally
- Results are not finished before the publication
- Other scientists **WANT** to hear from you!

# Why publish in English?

- The international language of science
- Allows you to become an effective science communicator
- To know about progress in your area



# Be an effective communicator

*Your goal is not only to be published, but also to be widely read in your field*

**Logical manuscript  
structure**

**Efficient publication  
strategy**

**Successful  
journal/conference  
submission**

# Conferences



# The role of conferences in computer science (CS)

- CS researchers publish a significant portion of original research outputs in conference proceedings (**63%** in Scopus 2012-16)
  - > 5 Million DOIs in Crossref
  - ~70% of Springer Nature book output in CS
- LNCS founding editors got ACM Distinguished Service Award for establishing CS as a subject
- The 5 most downloaded Springer Nature books in 2018 were proceedings


LNCS Home > Computer Science > LNCS

SUBDISCIPLINES | JOURNALS | BOOKS | SERIES | TEXTBOOKS | REFERENCE WORKS

## ACM Distinguished Service Award

The ACM honors Gerhard Goos, Juris Hartmanis, and Jan van Leeuwen

The ACM has honored the achievements of leaders from international academic and community organizations who helped build the infrastructure of computer science as a critical discipline in the digital era. As innovators, overseers and educators in their respective positions and institutions, they made possible the dramatic progress that has enabled computer science to contribute to science and society and change the course of history.



This year the ACM Distinguished Service Award to Gerhard Goos of Karlsruhe Institute of Technology, Juris Hartmanis of Cornell University, and Jan van Leeuwen of Utrecht University for their definitive role in establishing computer science as a vibrant subject.

Their stewardship as series editors of the Springer Lecture Notes in Computer Science (LNCS), published since 1973, launched this series into a highly visible platform for disseminating research results from all areas of the nascent computing field.



Proceedings in CS = peer reviewed, with full papers, not books of abstracts

# Conferences vs journals

## Pros

- Old, well-reputed conferences in computer science have higher status than many journals
- Higher visibility and greater impact – direct contact with your peers
- More timely – roughly half a year from submission to publication

## Cons

- Acceptance rate for top conferences is often below 20%, 30-35% are standard
- Hard deadlines and page limits. NO MAJOR REVISION
- Reviews might be less detailed
- Sometimes journals value more for your promotion/funding

# Looking closer at LNCS

Video: A trip through LNCS' history



## Celebrating 10,000 manuscripts

#LNCSMilestone

CONGRATULATIONS



928,043  
authors

314,549  
papers

33,496  
volume editors

2,097  
conference series

Lecture Notes in Computer Science (LNCS)



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# Conference – how does it work?

# Main elements of an international conference

Conference name, acronym, dates, location

Call for papers

about the conference, news, history, organizers

2017.kesw.ru/calls/



## KESW 2017

INTERNATIONAL CONFERENCE ON KNOWLEDGE ENGINEERING AND SEMANTIC WEB, SZCZECIN, POLAND, NOV 08 - NOV 10, 2017

Follow @keswconference

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HOME NEWS CALLS ORGANIZATION SPONSORING CONTACTS

## Call for papers

The International Conference on Knowledge Engineering and Semantic Web (KESW) is an international event dedicated to discussing research results and directions in the areas related to Linked Data, knowledge representation and reasoning, and semantic technologies. Its aim is to bring together researchers, practitioners, and educators, in particular from the regions underrepresented at the major ISWC and ESWC conferences (e.g., Eastern Europe, exUSSR, and the Middle East) to present and share ideas related to the Semantic Web, and popularize the area in these regions.

“As usual, all technical sessions (keynotes, paper presentations, posters, etc.) will be held in English.”

## RESEARCH AND INDUSTRY TRACK

The research track welcomes novel papers addressing theoretical, applied, and empirical aspects of research. Topics of interest include but are not limited to:

### Scalable Data Access

- Big Linked Data processing
- Benchmarks for Semantic Web frameworks

» Become a Sponsor

Tweets by @keswconference

## Organizers



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# Main elements of an international conference

## SUBMISSION

All authors will be required to pre-submit abstracts of their papers. Both papers and abstracts should be submitted via [EasyChair](#).

### Size restrictions

- Research, industry, and educational tracks: 15 pages including references.
- System description papers: 10 pages including references.
- Posters and position papers: 2 page abstract.

“ We strongly encourage all authors to prepare their submissions according to the [Springer LNCS](#) format. This will be strictly enforced for all accepted papers. Contact Axel Ngonga (PC Chair) if this becomes a show stopper.

## IMPORTANT DATES

All deadlines are for the Hawaii time zone.

### Full papers and system descriptions

- Abstract submission: ~~April 15th, 2016~~ **April 22nd, 2016**
- Full paper submission: ~~April 22nd, 2016~~ **April 29th, 2016**
- Author notification: **June 17th, 2016**
- Camera-ready submission: **July 1st, 2016**

### Posters and position papers

- Accepted on a rolling basis (that is, submit when you feel like it but don't wait till late since we can close the page if we get too many).

## PROCEEDINGS

KESW proceedings are traditionally published in Springer's Communications in Computer and Information Science (CCIS) series. The papers will be abstracted/indexed by DBLP, Google Scholar, EI-Compendex, Mathematical Reviews, SCImago, and Scopus.

Instructions for authors, paper types

How to submit

Deadlines

Info about proceedings

Indexing

# Main elements of an international conference

## Organization committee

### Main organizers

**General Chair:** Petr Křemen, FEE CTU in Prague, Czech Republic

**Program Chair:** Axel-C. Ngonga Ngomo, University of Leipzig, Germany

**Open Science and Education Chair:** *Will be announced.*

### Publicity Chair:

Maxim Kolchin, ITMO University, Russia

Martin Ledvinka, FEE CTU in Prague, Czech Republic

### Program committee

Alessandro Adamou	Knowledge Media Institute, The Open University, UK
Long Cheng	Technische Universität Dresden, Germany
Evangelia Daskalaki	FORTH, Greece
Jeremy Debattista	University of Bonn, Germany
Chiara Del Vescovo	British Broadcasting Corporation, UK
Elena Demidova	University of Southampton, UK
Ivan Ermilov	AKSW Group, University of Leipzig, Germany
Irini Fundulaki	ICS-FORTH, Greece
Ujwal Gadiraju	L3S Research Center, Germany
Kleanthi Georgala	Universität Leipzig, Germany
Peter Haase	metaphacts, Germany
Konrad Höffner	AKSW Group, University of Leipzig, Germany
Martin Homola	Comenius University, Slovakia
Dmitry Ignatov	National Research University Higher School of Economics, Russia

Organizers

Program committee  
(organize review)

Name and affiliation for each PC member

# Main elements of an international conference

Secure | <https://iswc2017.semanticweb.org/calls/call-for-research-track-papers/>

## Reviews and Review Criteria

Papers in this track will be reviewed according to the following criteria:

- Originality
- Novelty
- Relevance and impact of the research contributions
- Soundness
- Design and execution of the evaluation of the work
- Clarity and quality of presentation
- Grounding in the literature

Authors will have the opportunity to submit a rebuttal to the reviews to clarify questions posed by program committee members.

Peer review

Ethics and disclosures

## Prior Publication And Multiple Submissions

ISWC 2017 will not accept research papers that, at the time of submission, are under review for or have already been published in or accepted for publication in a journal or another conference.

The conference organisers may share information on submissions with other venues to ensure that this rule is not violated.

## PARTICIPATION

At least one of the authors of accepted papers has to register for the conference and present the paper there for it to be included in the proceedings.

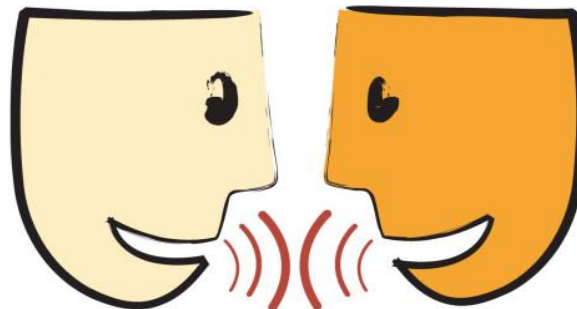


# How to learn about new conferences?

- **Springer forthcoming proceedings lists:**
  - LNCS, CCIS, LNBIP: <https://springer.com/lncs>
  - <https://www.springer.com/it/computer-science/lncs/forthcoming-proceedings>
- **ACM calendar:** <https://www.acm.org/conferences/conference-events>
- **IEEE list of events:** <https://www.ieee.org/conferences/index.html>

## Mailing lists

- DBWorld <https://research.cs.wisc.edu/dbworld/>
- AISWorld <http://listserv.aisnet.org/>
- ...



# How to get your conference proceedings published by Springer Nature

# ...proceedings publishing process and entry page

<http://springer.com/proceedings> - Information about how to publish proceedings in all disciplines

<http://springer.com/lncs> - Information about Computer Science proceedings

Springer springer.com

## Springer Proceedings Publishing Process

The infographic illustrates the publishing process through several stages:

- Plan to publish proceedings for a conference** (Icon: Lightbulb)
- Write a proposal and submit to Springer** (Icon: Envelope)
- Proposal assessment & review** (Icon: Magnifying glass over document)
- Decision to publish (or not)** (Icon: Magnifying glass over document)
- Acceptance note** (Icon: Document with checkmark)
- Typsetting & production** (Icon: Computer monitor with gears)
- Upload final manuscripts** (Icon: Document with ribbon)
- Paper review & selection** (Icon: Magnifying glass over document)
- Solicit submissions** (Icon: Document with magnifying glass)
- Publication – available for the meeting** (Icon: Hand holding a document)
- International marketing & sales** (Icon: Network diagram)

### Why publish with Springer

- 👤 Quality
- 📄 Recognized A&I indexing, e.g. EI
- ⌚ Fast publication
- 👉 Widest dissemination
- 📖 Step-by-step guidance

Springer provides tools and guidance

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[1. Authors & editors](#)

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## Helpful tools & presentations

### ORCID in Proceedings

Register for an individual ORCID iD and include it in the header of your proceedings paper.

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Take this free e-learning course on our Publisher's Code of Conduct. A must-know for all Editors

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### Search engine optimization: Tips for authors

Contribute to your book's success, long before it's published! Help search engines present your book to the right audience and give these readers what they want.

[» read more](#)

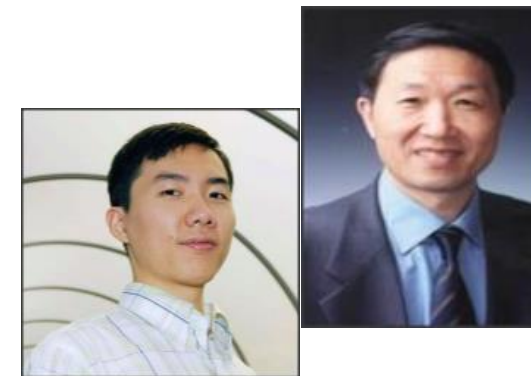
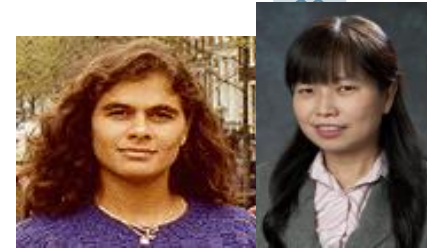
# Key elements of the proposal

## Event history (for the last 3 editions)

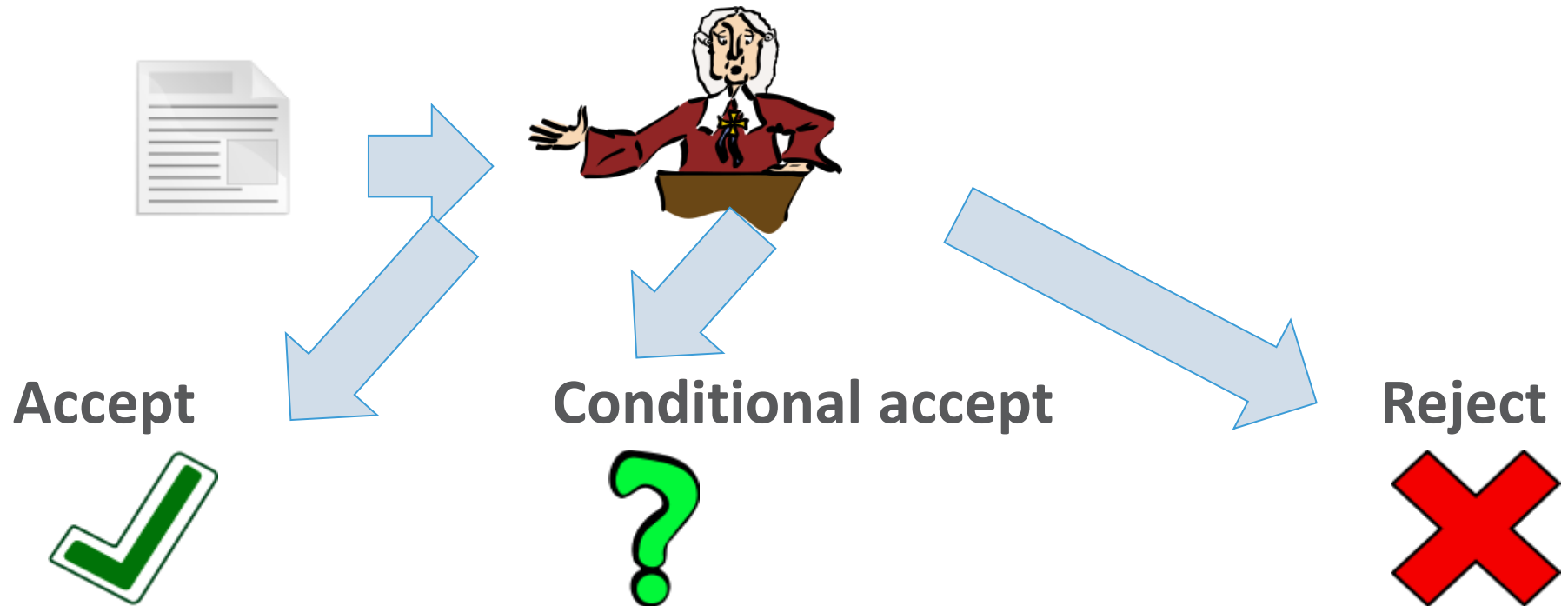
- number of submissions
- number of accepted papers
- number of participants
- **Expected number of submissions/accepted papers/participants for current edition**
- **Topics (Call For Papers)**
- **Program committee**
- **How international the event is? OR Indicators of regional importance of the event**
- **Description of the review process and deadlines**

## Evaluation of the proposal: editorial board – example of the CCIS

1. Simone Diniz Junqueira Barbosa, PUC-Rio, Rio de Janeiro, Brazil
2. Phoebe Chen, La Trobe University, Melbourne, Australia
3. Joaquim Filipe, Polytechnic Institute of Setúbal, Portugal
4. Igor Kotenko, St. Petersburg Institute for Informatics and Automation of the Russian Academy of Sciences, Russia
5. Krishna M. Sivalingam, Indian Institute of Technology Madras, India
6. Takashi Washio, Osaka University, Japan
7. Junsong Yuan, Nanyang Technological University, Singapore, Singapore
8. Lizhu Zhou, Tsinghua University, Beijing, China



## Decision process for the editorial board



# Conference in digital library

RuSCDays

## Russian Supercomputing Days

Search within this conference



2019

### RuSCDays 2019

23-24 September Moscow, Russia

[Supercomputing](#)

60  
Papers

1  
Volume

2018

### RuSCDays 2018

24-25 September Moscow, Russia

[Supercomputing](#)

59  
Papers

1  
Volume

2017

### RuSCDays 2017

25-26 September Moscow, Russia

[Supercomputing](#)

42  
Papers

1  
Volume

# Conference in digital library



[RuSCDays: Russian Supercomputing Days](#)

## Supercomputing

5th Russian Supercomputing Days, RuSCDays 2019, Moscow, Russia, September 23–24, 2019, Revised Selected Papers


**Editors** ([view affiliations](#))

Vladimir Voevodin, Sergey Sobolev

Conference proceedings  
RuSCDays 2019



Part of the [Communications in Computer and Information Science](#) book series (CCIS, volume 1129)

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[Table of contents](#) (60 papers)

[About these proceedings](#)

Page  of 2 

Search within event

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**GER NATURE**



# Conference in digital library

## Introduction

This book constitutes the refereed post-conference proceedings of the 5th Russian Supercomputing Days, RuSCDays 2019, held in Moscow, Russia, in September 2019.

The 60 revised full papers presented were carefully reviewed and selected from 127 submissions. The papers are organized in the following topical sections: parallel algorithms; supercomputer simulation; HPC, BigData, AI: architectures, technologies, tools; and distributed and cloud computing.

## Keywords

artificial intelligence computer hardware computer networks computer programming distributed computer systems engineering mathematics microprocessor chips network protocols numerical methods parallel algorithms parallel architectures parallel computing parallel processing systems parallel programming processors signal processing telecommunication systems wireless telecommunication systems

## Editors and affiliations

Vladimir Voevodin <sup>1</sup>

 [View author's ORCID profile](#)

Sergey Sobolev <sup>2</sup>

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2. Research Computing Center, Moscow State University, Moscow, Russia

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[Computer Science \(R0\)](#)

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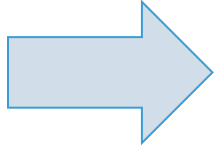
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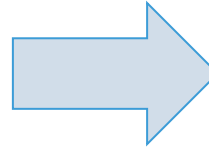
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## Indexing



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# More on how the conferences work

<https://www.scieditor.ru/jour/article/view/33> - in Russian

[https://www.ieee.org/content/dam/ieee-org/ieee/web/org/conferences/paper\\_acceptance\\_criteria.pdf](https://www.ieee.org/content/dam/ieee-org/ieee/web/org/conferences/paper_acceptance_criteria.pdf) in English

The screenshot displays the website of ANRI (Association of Scientific Editors and Publishers). The header features the ANRI logo and the text "Научный редактор и издатель". Below the header is a search bar with the text "Расширенный поиск". The main navigation menu includes "ГЛАВНАЯ", "О ЖУРНАЛЕ", and "ТЕКУЩИЙ ВЫПУСК". The article page shows the breadcrumb "Главная > Том 2, № 1 (2017) > Куламер" and the title "Практические рекомендации для обеспечения качества материалов технической конференции". The authors listed are Б. Куламер, В. Мистер, Дж. Солк, Н. Блейр-деЛеон, Г. МакПирсон, У. Мозес, А. Филиппидис, К. Чапман, Д. Смит, Я. Стонхем, and К. Вукмирович. The DOI link is <https://doi.org/10.24069/2542-0267-2017-1-1-12>. Social media icons for YouTube, VK, Facebook, Twitter, Odnoklassniki, and Instagram are visible. At the bottom, there is a button for "ПОЛНЫЙ ТЕКСТ:" and a "PDF (RUS)" link.

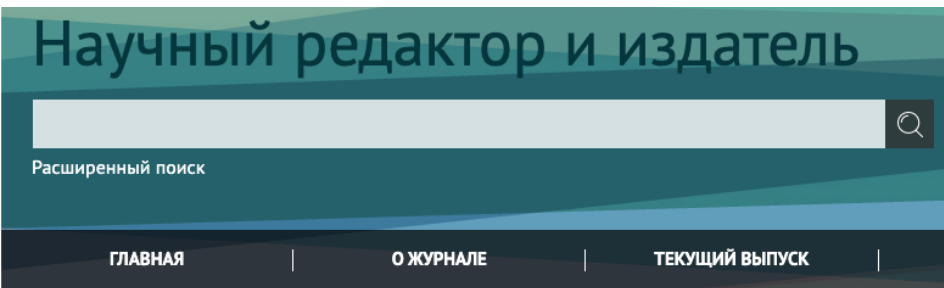
# More about conference proceedings

<https://doi.org/10.24069/2542-0267-2020-1-47-50> - in Russian

<https://scholarlykitchen.sspnet.org/2020/01/30/guest-post-everything-you-ever-wanted-to-know-about-conference-proceedings-but-were-afraid-to-ask/> - in English

Or in Chinese:

[https://mp.weixin.qq.com/s?biz=MzI3MTk2MDU1OQ==&mid=2247485089&idx=1&sn=10688f4d743869edc9607c6211c4468f&chksm=eb389621dc4f1f3799b434072f85d924e6ca358dfc5c69ff0ed6db24e2368b4725e83cc54558&token=873023410&lang=zh\\_CN#rd](https://mp.weixin.qq.com/s?biz=MzI3MTk2MDU1OQ==&mid=2247485089&idx=1&sn=10688f4d743869edc9607c6211c4468f&chksm=eb389621dc4f1f3799b434072f85d924e6ca358dfc5c69ff0ed6db24e2368b4725e83cc54558&token=873023410&lang=zh_CN#rd)



[Главная](#) > [Том 5, № 1 \(2020\)](#) > [Бирюков](#)

Все, что вы хотели бы знать о сборниках конференций,  
но боялись спросить

*А. А. Бирюков*

<https://doi.org/10.24069/2542-0267-2020-1-47-50>



ПОЛНЫЙ ТЕКСТ:



[PDF \(RUS\)](#)

[Аннотация](#)

[Об авторе](#)

## Аннотация

Написать этот пост меня подвигли многочисленные вопросы коллег о том, что такое сборники конференций и почему они так важны в некоторых дисциплинах. Хотя это не исчерпывающий обзор («все» в названии немного амбициозно!), я постараюсь рассказать о том, насколько важна роль сборников конференций именно в компьютерных науках. Также приглашаю коллег поделиться информацией о значении конференций в других научных сферах либо в комментариях, либо в виде отдельного поста в блоге.

# Journals

# Journals – how does it work?



# Journal homepage: UMUI example

Journal name

Aims & scope

Editorial Board

Metrics and IF

How to submit

**User Modeling and User-Adapted Interaction**  
The Journal of Personalization Research

*User Modeling and User-Adapted Interaction* provides an interdisciplinary forum for the dissemination of novel and significant original research results about interactive computer systems that can adapt themselves to their users, and on the design, use, and evaluation of user models for adaptation. The journal publishes high-quality original papers from, e.g., the following areas: — [show all](#)

**Editor-in-Chief**  
Judith Masthoff

**Publishing model**  
Hybrid. [Open Access options available](#)

3.4 (2018) Impact factor	71 days Submission to first decision	53,485 (2018) Downloads
4.185 (2018) Five year impact factor	242 days Submission to acceptance	

**For authors**

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# Factors to consider

## Topics

### Aims and scope

*User Modeling and User-Adapted Interaction* provides an interdisciplinary forum for the dissemination of novel and significant original research results about interactive computer systems that can adapt themselves to their users, and on the design, use, and evaluation of user models for adaptation. The journal publishes high-quality original papers from, e.g., the following areas:

- acquisition and formal representation of user models, including modeling of affect, personality, knowledge, expertise, interests, preferences, attitudes, goals, plans, culture, relationships and mental models
- conceptual models and user stereotypes for personalization
- student modeling and adaptive learning
- models of groups of users
- user model driven personalised information discovery and retrieval
- recommender systems
- adaptive user interfaces and agents
- adaptation for accessibility and inclusion
- generic user modeling systems and tools
- interoperability of user models

## Types of papers

In addition to papers from Computer Science, relevant papers from the fields of Psychology, Linguistics, Information Systems, Information Science, Education, Rehabilitation and Medicine are also considered if they have implications for the design of computer systems. The journal mainly publishes empirical research papers. Theoretical proposals should normally be appropriately substantiated, e.g., by empirical results, by an analytical discussion of the results of a computer implementation, or in very rare cases by a formal analysis.

## Readership

The central audience of the journal are researchers, students and industrial practitioners from the following areas: Adaptive Systems, Human-Computer Interaction, Artificial Intelligence, the Instructional Sciences, Information Systems, Linguistics, and the Information Sciences.

# Factors to consider

## Indexing

### Abstracted and indexed in

ACM Digital Library	Gale Academic OneFile	ProQuest Computer and Information Systems Abstracts
Current Contents/Engineering, Computing and Technology	Google Scholar	ProQuest Health Research Premium Collection
DBLP	INSPEC	ProQuest Pharma Collection
EBSCO Applied Science & Technology Source	Institute of Scientific and Technical Information of China	ProQuest Psychology Database
EBSCO Business Source	Japanese Science and Technology Agency (JST)	ProQuest SciTech Premium Collection
EBSCO Computer Science Index	Journal Citation Reports/Science Edition	ProQuest Technology Collection
EBSCO Computers & Applied Sciences Complete	Naver	ProQuest-ExLibris Primo
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EBSCO Engineering Source	ProQuest ABI/INFORM	PsycINFO
EBSCO Ergonomics Abstracts	ProQuest Advanced Technologies & Aerospace Database	SCImago
EBSCO STM Source	ProQuest Business Premium Collection	SCOPUS
EI Compendex	ProQuest Central	Science Citation Index Expanded (SciSearch)
Gale	ProQuest Computer Science	

## Research integrity

- a clear description of ethical principles, which helps to manage their violations

### Ethics & disclosures

The journal is committed to maintaining the highest level of integrity in the content published.

This journal has a Conflict of Interest policy in place.

The journal is a member of the Committee on Publication Ethics (COPE) and subscribes to its principles on how to deal with acts of misconduct thereby committing to investigate allegations of misconduct in order to ensure the integrity of research.

The journal may use plagiarism detection software to screen the submissions. If plagiarism is identified, the COPE guidelines on plagiarism will be followed.

Content published in this journal is peer reviewed (Single Blind).



# Journal in the digital library

## User Modeling and User-Adapted Interaction

The Journal of Personalization Research

ISSN: 0924-1868 (Print) 1573-1391 (Online)

### All Volumes & Issues

Volumes

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#### ▼ Volume 29 March 2019 - November 2019

[November 2019, Issue 5, Pages 893-1011](#)

[September 2019, Issue 4, Pages 751-892](#)

Special Issue on Learning Analytics & Personalised Support Across Spaces

[July 2019, Issue 3, Pages 573-750](#)

[April 2019, Issue 2, Pages 239-572](#)

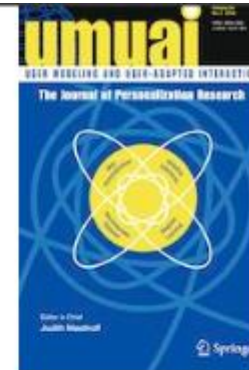
Special Issue on Recommender Systems based on Rich Item Descriptions

[March 2019, Issue 1, Pages 1-238](#)

Special Issue on Personalized Delivery of Cultural Heritage Content

#### ▶ Volume 28 March 2018 - December 2018

#### ▶ Volume 27 March 2017 - December 2017



Impact Factor	Available
3.4	1991 - 2019
Volumes	Issues
29	105
Articles	Open Access
502	<a href="#">24 Articles</a>

# Journals – how to choose the right journal

# What do journal editors want?

- **Good quality science!**
- Topic that fits into journal's scope
- Original research
- Active research area (creates discussions and citations)
- Peer review with nice feedback
- Clear, concise writing in good English



# What do authors want?

## Springer Author Survey: Importance for Manuscript Submission Top 1 Box (very important; in percent)



## Some tips on journal selection

- Look at the journal website and READ THE JOURNAL.
- Talk to your colleagues / peers about their experiences with journals you are considering (did they get visibility and citations?)
- Is an Impact Factor important to you? Or are you more concerned about usage/visibility?
- Avoid journals with no clear submission and reviewing process



## Some tips on journal selection (esp. for PhD students)

- **Are you working in the area your prof is an expert?**
  - Ask them about the journals, conferences, etc
- **Have you done your SotA analysis yet?**
  - Which venues pop up more often than others?
  - Are you ready for a top conference? (...you should be, in Trento!)
  - Or a regional workshop?
- **If you are really desperate for finding a journal – see next...**

# Springer Journal Suggester

*A free online tool to find suitable journals for your manuscript*

Manuscript title

Automatic Classification of Springer Nature Proceedings with Smart Topic Miner

Manuscript text

(STM), a novel solution which uses semantic analysis to classify research publications on the basis of a very large automatically generated ontology of research areas. STM was developed to support the Springer Nature Computer Science editorial team in classifying proceedings in the LNCS family. It analyses in real time a set of publications provided by an editor and produces a structured set of topics and a number of Springer Nature Classification tags, which best characterise the given input. In this paper we present the architecture of the system and report on an evaluation study conducted with a team of Springer Nature editors. The results of the evaluation, which showed that STM classifies publications with a high degree of accuracy, are very encouraging and as a result we are currently discussing the required next steps to ensure large-scale deployment within the company.

Subject area: (optional)

Please select

View:

All journals  Fully Open Access journals  Subscription journals

Suggest journals

<http://journalsuggester.springer.com/>

Abstract

# Springer Journal Suggester

Journals ranked by relevance	Impact Factor
<b>Data-Enabled Discovery and Applications</b> <a href="#">Subscription &amp; Open Access</a>	No Impact Factor <a href="#">More details</a>
<b>Sleep and Vigilance</b> <a href="#">Subscription &amp; Open Access</a>	No Impact Factor
<b>Journal of Biomedical Semantics</b> <a href="#">Open Access</a>	1.62 <a href="#">More details</a>
<b>Journal on Data Semantics</b> <a href="#">Subscription &amp; Open Access</a>	No Impact Factor <a href="#">More details</a>
<b>International Journal on Digital Libraries</b> <a href="#">Subscription &amp; Open Access</a>	
<b>Service Oriented Computing and Applications</b> <a href="#">Subscription &amp; Open Access</a>	
<b>Research Integrity and Peer Review</b> <a href="#">Open Access</a>	
<b>Scientometrics</b> <a href="#">Subscription &amp; Open Access</a>	

Recommended journals

You may like to consider our broad scope Open Access journals from across Springer Nature:

	Imprint	Impact Factor	
<b>Scientific Reports</b> <a href="#">Open Access</a> Publishes scientifically valid primary research from all areas of the natural and clinical sciences	Nature Research	5.228	<a href="#">More details</a>
<b>Palgrave Communications</b> <a href="#">Open Access</a> Publishes high quality original research across all areas of the humanities and social sciences	Palgrave Macmillan	No Impact Factor	<a href="#">More details</a>
<b>BMC Research Notes</b> <a href="#">Open Access</a> Publishes scientifically valid research outputs from all scientific and clinical disciplines that describe new methodologies or are too short to be considered as full research	BioMed Central	No Impact Factor	<a href="#">More details</a>

Also general-scope journals

# Springer Journal Selector

## Journal on Data Semantics

Editor; Esteban Zimányi, *Université Libre de Bruxelles*

[Subscription & Open Access](#) | [No Impact Factor](#)

Submit your manuscript

Once you have chosen to submit your manuscript, you will be taken to the submissions form for this journal. You will still be able to make changes before your final submission.

### Aims and Scope

With the Web serving as a huge worldwide data repository, issues related to data semantics (familiar to database modelers since the 1970s) have again become of paramount importance. As Web data comes from heterogeneous, possibly unknown and mostly uncontrolled sources, it is anything but obvious how the information beyond the most basic factual data can be correctly understood. The same concern applies to data that is exchanged between systems that need to agree on its meaning in order to avoid dangerous misunderstandings. Semantic elicitation and the availability of appropriate semantic metadata are the key to the meaningful use of information in modern distributed environments.



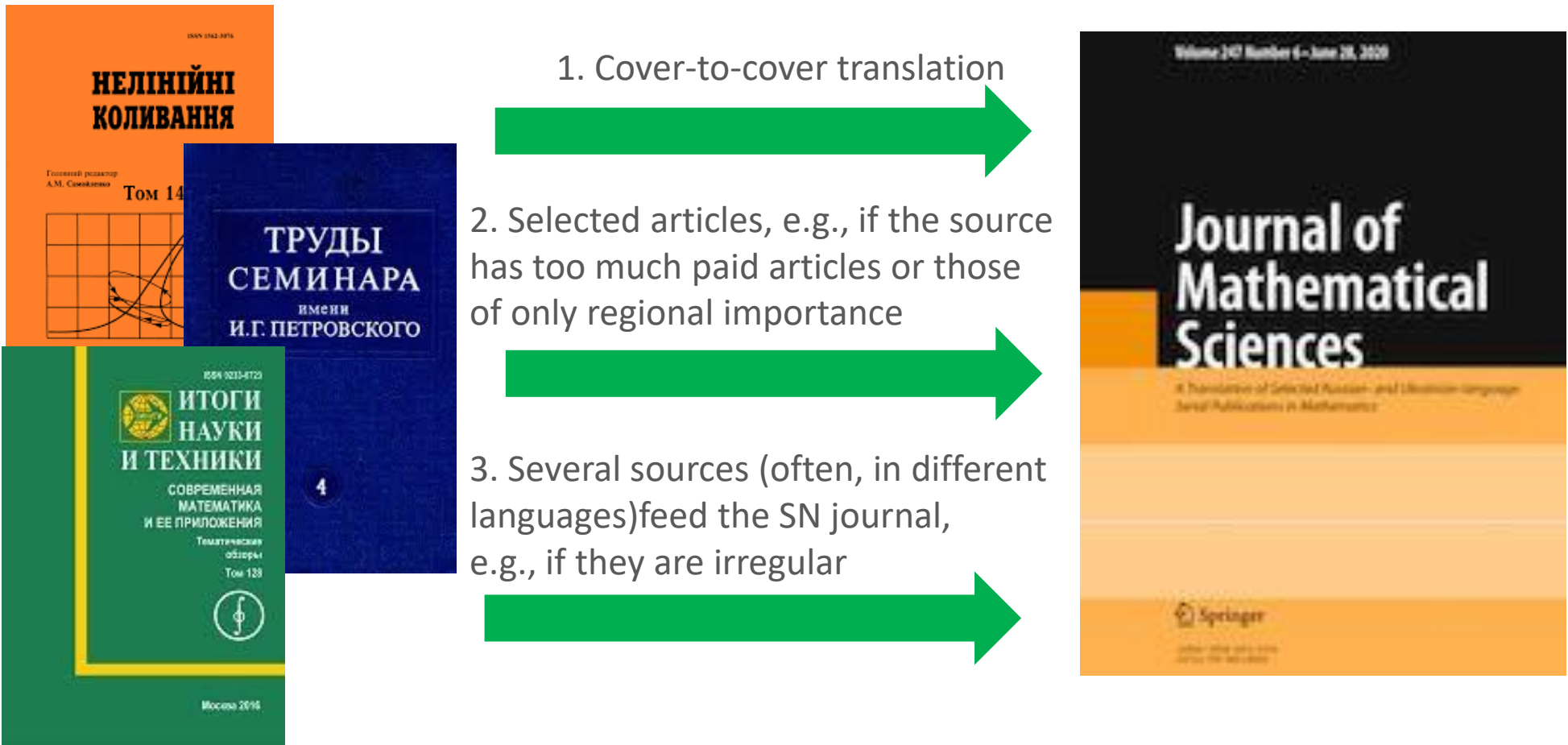
[Visit the journal home page](#)

Journal's aims & scope, IF,  
etc

- Published recently?
- Cited in your paper?

# Translated journals

# Journals that publish in several languages / Переводные журналы



- Editorial board in cases 1 and 2 is taken from the source journal. In 3 – EiCs of the sources
- Peer review ONLY takes place at source, we receive camera ready in Ru/Uk or En
- Pleiades new approach: English journal gets an independent EB and selects best papers from many sources

# Страница переводного журнала в eLibrary



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- РУБРИКАТОР ▶
- ССЫЛКИ ▶
- ПОДБОРКИ ▶

Начальная страница




Полное название		<b>ALGEBRA AND LOGIC</b>	
Издательство		Springer New York Consultants Bureau	
Год основания	1968	Рецензируемый	да
Выпусков в год	6	Импакт-фактор JCR	есть
Статей в выпуске		Импакт-фактор РИНЦ 2018	нет

Сведения о переименовании и переводе

Оригинальная версия: [Алгебра и логика](#)

Сокращение	<b>ALLO</b>	Страна	Россия
Город	Новосибирск	Регион	Новосибирская область

**Печатная версия журнала**

ISSN печатной версии	0002-5232	Подписной индекс	Тираж
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**Электронная онлайн версия журнала**

ISSN онлайн версии	1573-8302	Вариант представления	полные тексты статей
WWW-адрес	<a href="http://springerlink.metapress.com/openurl.asp?genre=journal&amp;issn=0002-">http://springerlink.metapress.com/openurl.asp?genre=journal&amp;issn=0002-</a>		

**Англоязычная версия журнала**

ISSN англоязычной версии	Вариант представления
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Английское название	
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ISI	да	Всего статей	877	В настоящее время	выходит
SCOPUS	да	Всего выпусков	181	Доступный архив	1969 - 2020
РИНЦ	нет	Полных текстов	107	Реферативный	нет
Перечень ВАК	включен	Цитирований	5376	Мультидисциплинарный	нет

Тематические рубрики	Код	Раздел рубриатора ГРНТИ	Журналов
	27.03.00	Математическая логика и основания математики	19
	27.17.00	Алгебра	22

Описание журнала

*Algebra and Logic* is a translation of **ALGEBRA I LOGIKA**, a publication of the Siberian Fund for Algebra and Logic and the Institute of Mathematics of the Siberian Branch of the Russian Academy of Sciences. This bimonthly journal publishes results of the latest research in the areas of modern general algebra and of logic considered primarily from an algebraic viewpoint. The algebraic

# Cooperation with Pleiades Publishing

## Examples of popular journals



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ГЛАВНАЯ → ИЗДАТЕЛЬСТВО → ПРЕСС-РЕЛИЗ SPRINGER NATURE И PLEIADES

## Пресс-релиз Springer Nature и Pleiades

26 февраля 2020

[Пресс-релиз на сайте Springer Nature](#)

SPRINGER NATURE И PLEIADES PUBLISHING СООБЩАЮТ О НАЧАЛЕ НОВОГО ЭТАПА В МНОГОЛЕТНЕМ ПАРТНЕРСТВЕ

Сотрудничество обеих компаний, имеющее истоки с 1993 года, прошло долгий путь: от распространения бумажных версий научных журналов из бывшего СССР, к переходу на издание и распространение в электронном виде и, наконец, до подписания масштабных соглашений по подписке (часто называемых «Большими сделками» или «Big Deals»), которые в прошлом году позволили обеспечить более 400 миллионов интернет-сессий пользователям более 10 000 библиотек на платформе SpringerLink. Согласно новому соглашению о партнерстве компании предлагают исследователям полный спектр решений по переходу к новым требованиям международного рынка, позволяющим пользователям максимально расширить свои возможности в мире Открытого доступа и Больших данных.

В быстро развивающемся мире современной научной информации новый контракт сохраняет охват базы Pleiades – это около 190 англоязычных журналов (сформированных на основе примерно 270 журналов на национальных языках), которые составляют ядро Russian Library of Science. Новые договоренности позволяют авторам из тысяч ныне непереводных журналов

<https://www.pleiades.online/ru/journals/>

You can submit in Russian,  
the article is published in Russian,  
Translated into English

And English version is distributed on SpringerLink

See <https://www.pleiades.online/ru/authors/>



# Russian Library of Science

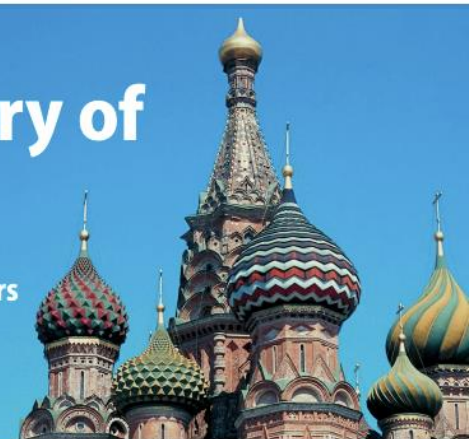
Lists all translated journals.

Links by disciplines:

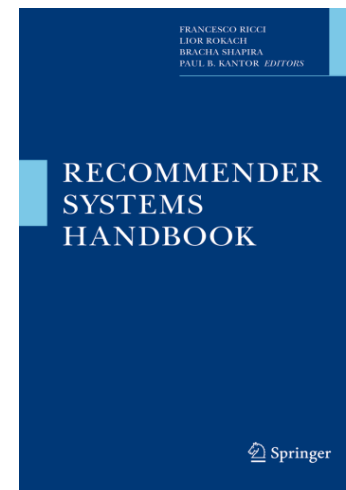
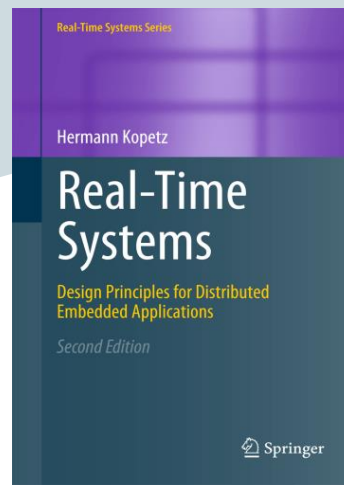
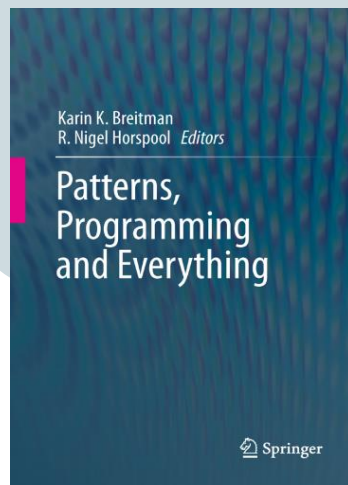
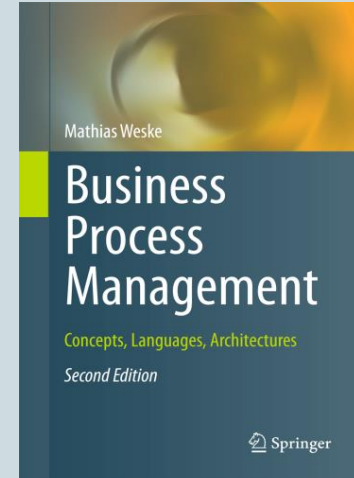
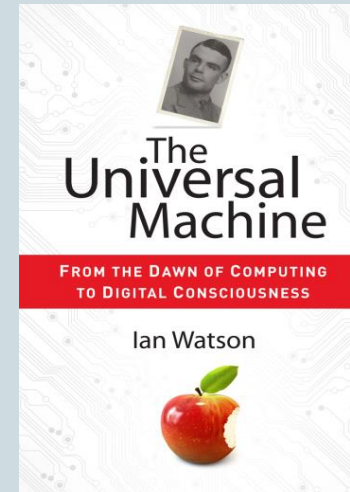
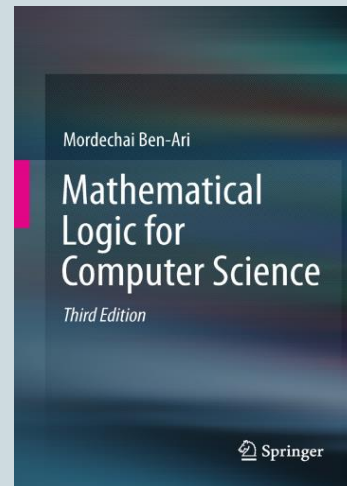
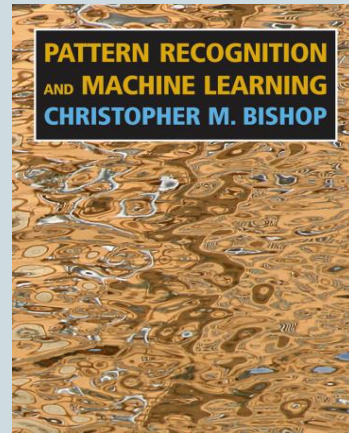
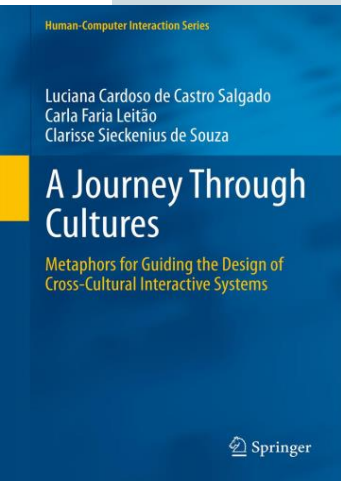
- Mathematics: <https://www.springer.com/mathematics?SGWID=0-10042-12-129139-0>
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- Engineering: <https://www.springer.com/engineering?SGWID=0-175-12-129147-0>
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## Russian Library of Science

Providing best articles and papers  
from research institutes  
and scientific societies in Russia



# Books



## Books vs. Journals

- Academic books have a different purpose from original research (proceedings and journals)
- An academic book is a complete scholarly work on a specific topic
- Book chapters fulfill a similar role to review articles, with books representing a collection of manuscripts on related topics
- By contrast, review articles published in journals are usually unrelated to all of the other articles in the same issue
- Book includes large bibliography, recommended readings, summaries, exercises, index



# Different types of books

Monographs

Edited Volume

Textbook

Professional

MRW – Major Reference Works

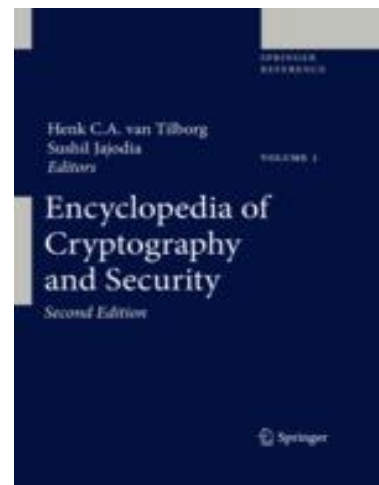
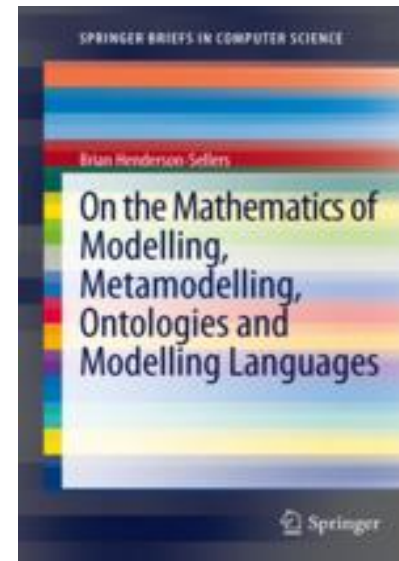
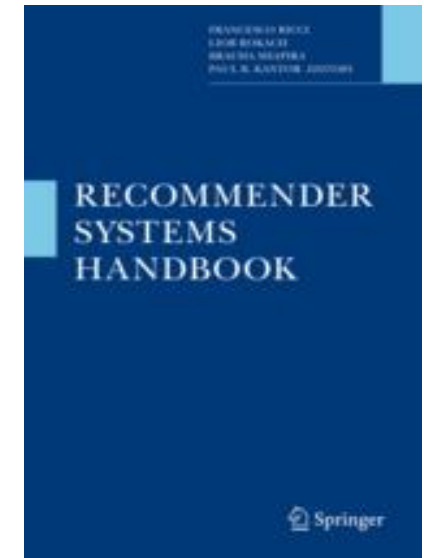
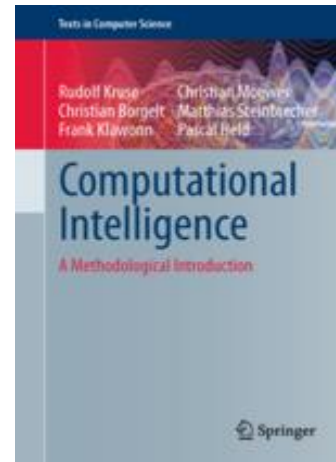
Handbooks

SpringerBriefs

Phd theses

Popular Science

...also proceedings



**I have an idea for a book...**

**What type of book shall I write?**

**How do I get started?**



# How to prepare a book proposal

- a short (3-5 pages, no special format)
  - description of the **planned book**,
  - its **aims & scope**, main emphasis,
  - main **target group** (and how this group will benefit from the book),
  - prerequisites needed to understand the book,
  - its **relation to other publications** in the area (if there are any).
- a **table of contents**, including a rough page estimate and a short summary of the main chapters (like for a conference paper).
- some information about the book authors/editors
- if it's an edited book, a list of contributors, and if their contributions are already confirmed or still have to be asked for.
- some information about your intended writing schedule, i.e. by when you plan to make a manuscript version available for review and copy-editing.

# How Springer Nature helps you to publish a book

- Proposals are externally reviewed
- We provide style guides and detailed writing instructions
- We carry out all the typesetting, formatting, etc.
- Publishing Editors guide you through the process
- Publishing with us is free of charge
- Complimentary copies for participating authors and editors
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When you submit a book (proposal)

Submit proposal to Publishing Editor

Book proposal review

Invite authors, prepare manuscript

Submit manuscript

Editing, typesetting and formatting

Print proofs: minor changes and corrections

Book published!

## One book - Different Formats

- eBook available 24/7 on SpringerLink as PDF and EPUB, and goes to iTunes, Google Books, Amazon
- Traditional printing with PTO technology: your book will never go out of print
- MyCopy: any title for only 24.99

<http://www.springer.com/gp/products/books/mycopy>

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# Book publication process explained

<https://www.springer.com/gp/authors-editors/book-authors-editors>

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## Getting started

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### Submit your book proposal online

Is your book concept ready to be considered for publication? Then you can easily submit your proposal online. Ask your publishing editor for a personal access link.

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## Springer Book Publishing Process

- Develop an idea for a book
- Write a proposal and submit to Springer
- Proposal assessment & review
- Decision to publish (or not)
- Contract
- Manuscript writing
- Manuscript review & revision
- Final manuscript
- Typesetting & Production
- Publication – print and eBook
- International Marketing & Sales

### Why publish with Springer

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## Not only books: Massive Online Open Courses (MOOCs)

### Springer Nature launches its first textbook as part of the newly established MOOC&BOOK

Textbook on Archaeoastronomy is linked to the online course *The Science of Stars and Stones* at Politecnico di Milano

Heidelberg | Milan | London, 03 September 2020

Springer Nature is pleased to announce the publication of its first textbook as part of its new MOOC&BOOK product line. The book, *Archaeoastronomy: Introduction to the Science of Stars and Stones*, by the Italian astrophysicist and archaeoastronomer Giulio Magli is connected to a MOOC (Massive Open Online Course) hosted on the platform of the Politecnico di Milano (Polimi Open Knowledge - POK). The book includes direct links to augmented reality material.

The online course, *The science of stars and stones*, is freely available on the University's MOOC platform and allows unlimited participation via the web.

Students who buy both the print and the e-book can easily access the content and benefit from the numerous exercises with solutions, in addition to those offered in the MOOC. The textbook features multimedia content, such as videos and augmented reality, which can be accessed by PC, tablet, or any other mobile device.



Link to the book:

[\*Archaeoastronomy: Introduction to the Science of Stars and Stones\*](#)

Link to the MOOC:

[\*The science of stars and stones\*](#)

Link to the Springer Nature More Media App:

<https://www.springernature.com/gp/researchers/springer-nature-apps/sn-more-media>

# Examples from Russia

Iversity: the Springer Nature owned online learning platform for MOOCs

- [RUDN University offers](#) 21 (thereof 14 yet published) Massive Online Open Courses (MOOCs)
- we expect another 10 courses from Sechenov University to come online soon

Contact: [suraj.anand@springer.com](mailto:suraj.anand@springer.com)  iversity Part of **SPRINGER NATURE**

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The screenshot shows the Iversity MOOC catalog interface. At the top, there are search filters for 'All topics', 'All course types', and 'All languages', along with a search input field. Below the filters, there are six course cards, each featuring a thumbnail image, the RUDN University logo, a 'FREE' badge, and the course title in Russian and English.

Thumbnail	MOOC Title (Russian)	MOOC Title (English)
	История России в образах великих соотечественников	History of Russia in the images of great compatriots
	Презентация и публичные выступления. Международная специфика	Presentation and public speaking. International specifics
	Мы говорим на русском языке	We speak with the whole world in Russian
	Изучаем культуру России на литературном материале	Studying the culture of Russia on literary material
	Россия на карте мира. География.	Russia on the world map. Geography.
	Инструментальные методы фармакопейного анализа	Instrumental methods of pharmacopoeial analysis

# Impact of your publications: rankings and indexing

# Impact Factor

There is much debate over Impact Factors in the scientific community, particularly with regard to the fairness of the system. However, there is no doubt that an Impact Factor is seen as a benchmark of quality of the journal in many academic communities.

## Formula for the 2014 Impact Factor:

Number of citations in 2014 to articles published in 2012 + 2013

-----  
Total citable articles published in 2012 + 2013

## Example:

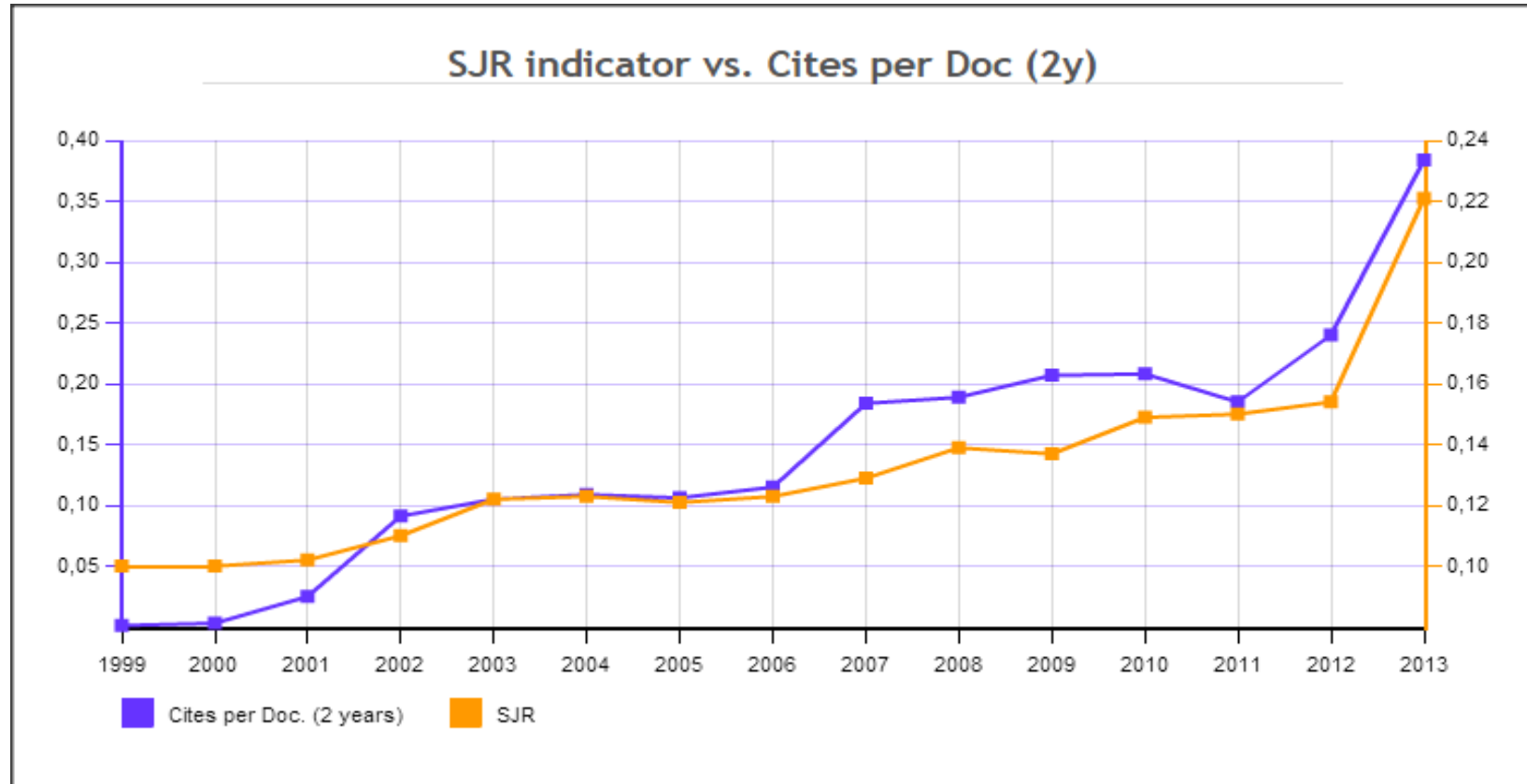
120 citations in 2014 (to articles published 2012 or 2013)

----- = 1.5

80 articles published in 2012 and 2013

# Cites per Doc index (same as IF, but from Scopus)

## SJR – PageRank inspired metric



Source: <http://www.scimagojr.com/journalsearch.php?q=13843&tip=sid&clean=0>

# H-Index

Reflects both the quantity of publications and their citations (~quality):

Max  $n$ , such as there are **at least  $n$**  publications which have **at least  $n$**  citations.

[Change photo](#)

<input type="checkbox"/> Title	<input type="checkbox"/> Add	<input type="checkbox"/> More	Cited by	Year
<input type="checkbox"/> <a href="#">Web service discovery based on past user experience</a> N Kokash, A Birukou, V D'Andrea Business Information Systems, 95-107			52	2007
<input type="checkbox"/> <a href="#">Improving web service discovery with usage data</a> A Birukou, E Blanzieri, V D'Andrea, P Giorgini, N Kokash IEEE SOFTWARE, 47-54			36	2007
<input type="checkbox"/> <a href="#">IC-Service: A service-oriented approach to the development of recommendation systems</a> A Birukou, E Blanzieri, V D'Andrea, P Giorgini, N Kokash, A Modena Proceedings of the 2007 ACM symposium on Applied computing, 1683-1688			23	2007
<input type="checkbox"/> <a href="#">Alternatives to peer review: novel approaches for research evaluation</a> A Birukou, JR Wakeling, C Bartolini, F Casati, M Marchese, K Mirylenka, ... Frontiers in Computational Neuroscience 5			20	2011
<input type="checkbox"/> <a href="#">An integrated solution for runtime compliance governance in SOA</a> A Birukou, V D'Andrea, F Leymann, J Serafinski, P Silveira, S Strauch, ... Service-Oriented Computing, 122-136			19	2010
<input type="checkbox"/> <a href="#">A multi-agent system that facilitates scientific publications search</a> A Birukou, E Blanzieri, P Giorgini Proceedings of the fifth international joint conference on Autonomous agents ...			16	2006
<input type="checkbox"/> <a href="#">Addressing information overload in the scientific community</a> M Baez, A Birukou, F Casati, M Marchese Internet Computing, IEEE 14 (6), 31-38			15	2010
<input type="checkbox"/> <a href="#">A Survey of Existing Approaches for Pattern Search and Selection</a> A Birukou Proceedings of the 15th European Conference on Pattern Languages of Programs ...			9	2010
<input type="checkbox"/> <a href="#">An End-to-End Framework for Business Compliance in Process-Driven SOA</a> A Birukou, V D'Andrea, F Leymann, J Serafinski, P Silveira, S Strauch, ...			7	2010

h-index	8	7
i10-index	7	6

**Add co-authors**

<a href="#">Volha Bryl</a>	+ x
<a href="#">M. Brian Blake</a>	+ x
<a href="#">Luca Cernuzzi</a>	+ x
<a href="#">Xavier Amatriain</a>	+ x
<a href="#">Rosa Alarcon</a>	+ x
<a href="#">Kai Eckert</a>	+ x
<a href="#">Danilo Ardagna</a>	+ x
<a href="#">Gloria Origgi</a>	+ x
<a href="#">Alessandro Rossi</a>	+ x
<a href="#">Mark Aberdour</a>	+ x

**Co-authors** [Edit...](#)

<a href="#">Enrico Blanzieri</a>
<a href="#">Paolo Giorgini</a>
<a href="#">Fabio Casati</a>
<a href="#">Vincenzo D'Andrea</a>
<a href="#">Marcos Báez</a>
<a href="#">Michael Weiss</a>
<a href="#">Fausto Giunchiglia</a>

# Beyond Impact Factor



# Dimensions

<https://app.dimensions.ai/> - 111 MLN publications

From September – free trial via RFBR: <https://podpiska.rfbr.ru/storage/events.html>

[Dimensions для исследователей - первые шаги в работе с платформой, преимущества и отличия](#)

Вебинар предназначен исследователям и практической пользе работы с Dimensions. Dimensions представляет собой уникальную платформу, объединившую в себе более 111 млн. публикаций; 1,5 млн. наборов данных из ведущих мировых репозиториях; более 40 млн. полнотекстовых, точных, обогащенных патентных записей (всего 120 млн.); 5,5 млн. грантов от 500+ фондов на общую сумму 1,7 трлн. \$, а также клинические исследования и отчеты ведущих научных организаций и правительств стран. Платформа открывает уникальную возможность увидеть большую картину всего контекста научной и инновационной деятельности, позволяет проанализировать все измерения НИР в режиме единого интерфейса.

[Экспорт в календарь \(.ics\)](#)

24-сен

14:00

The screenshot displays the Dimensions app interface. At the top, the search bar contains 'e.g. plastic AND instrument'. Below the search bar, there are tabs for 'FILTERS' and 'FAVORITES'. The 'PUBLICATIONS' tab is active, showing a list of search results. The first result is 'The course of (comorbid) trauma-related, dissociative and personality disorders: two year follow up of the Friesland study cohort' by Sanne Swart et al., published in 2020 in the European Journal of Psychotraumatology. The second result is 'Implementation of two alcohol reduction interventions among persons with hazardous alcohol use who are living with HIV in Thai Nguyen, Vietnam: a micro-costing analysis' by Natalie A Blackburn et al., published in 2020 in Global Health Action. The interface also includes a sidebar with 'RESEARCH CATEGORIES' and 'OVERVIEW' sections. The 'OVERVIEW' section shows a line graph of 'Citations (total)' from 2011 to 2020, with a mean of 11.34.

**Dimensions** e.g. plastic AND instrument Save / Export Support BIRU01

**FILTERS** FAVORITES

▼ PUBLICATION YEAR

2020	4,373,824
2019	5,570,564
2018	5,180,576
2017	4,821,426
2016	4,430,996
2015	4,247,074
2014	4,103,997
2013	3,912,322
2012	3,649,791
2011	3,529,217

[More](#)

► RESEARCHER

► RESEARCH CATEGORIES

► PUBLICATION TYPE

► SOURCE TITLE

**PUBLICATIONS** DATASETS GRANTS PATENTS CLINICAL TRIALS POLICY DOCUMENTS

112,539,218 1,569,960 5,588,930 40,559,786 587,660 542,668

Show abstract Sort by: Publication Date ▼

Title, Author(s), Bibliographic reference - [About the metrics](#)

**The course of (comorbid) trauma-related, dissociative and personality disorders: two year follow up of the Friesland study cohort**

Sanne Swart, Marleen Wildschut, Nel Draijer, Willemien Langeland, Adriaan W Hoogendoorn, Jan H Smit  
2020, European Journal of Psychotraumatology - Article

**Background:** There is substantial comorbidity between trauma-related disorders (TRDs), dissociative disorders (DDs) and personality disorders (PDs), especially in patients who report childhood t... [more](#)

1 View PDF Add to Library

**Implementation of two alcohol reduction interventions among persons with hazardous alcohol use who are living with HIV in Thai Nguyen, Vietnam: a micro-costing analysis**

Natalie A Blackburn, Vivian F Go, Quynh Bui, Heidi Hutton, Radhika P Tampi, Teerada Sripaipan, Tran V Ha, Carl Lat...  
2020, Global Health Action - Article

**BACKGROUND:** Hazardous alcohol use is detrimental to persons with HIV (PWH), impacting medication adherence and liver function, yet globally resources to target alcohol use behavior in this population ... [more](#)

6 View PDF Add to Library

**Fast food consumption among young adolescents aged 12–15 years in 54 low- and middle-income countries**

**ANALYTICAL VIEWS**

RESEARCH CATEGORIES

11 Medical and Health Sciences	29,183,937
09 Engineering	11,846,129
1103 Clinical Sciences	10,803,787
06 Biological Sciences	8,751,555
03 Chemical Sciences	7,662,543

OVERVIEW

Citations **1.3 B** Citations (Mean) **11.34**

6,000,000  
4,000,000  
2,000,000

2011 2012 2013 2014 2015 2016 2017 2018 2019 2020

Publications (total)

# Dimensions indexes both versions of the translated articles

Russian: <https://badge.dimensions.ai/details/doi/10.4213/rm892>

English: <https://badge.dimensions.ai/details/doi/10.1070/RM1997v052n06ABEH002155>

## Uspekhi Matematicheskikh Nauk

JOURNALS PEOPLE ORGANISATIONS CONFERENCES SEMINARS VIDEO LIBRARY PACKAGE AMSBIB

*Uspekhi Mat. Nauk*, 1997, *Volume 52, Issue 6(318)*, Pages 53–112 (Mi umn892)



This article is cited in **469** scientific papers (total in 470 papers)

Quantum computations: algorithms and error correction

A. Yu. Kitaev

*L. D. Landau Institute for Theoretical Physics, Russian Academy of Sciences*

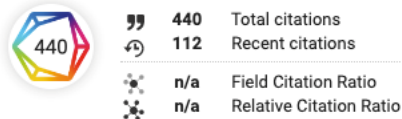
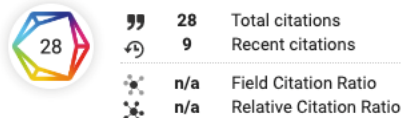
DOI: <https://doi.org/10.4213/rm892>

- Full text: PDF file (749 kB)
- References: PDF file HTML file

### English version:

Russian Mathematical Surveys, 1997, **52:6**, 1191–1249

Bibliographic databases: MathSciNet ZentralMATH ads\* WEB OF SCIENCE Scopus



[See more details](#)

# Computing Research & Education (CORE) rank



Sign in with LinkedIn  
Signing in with LinkedIn  
address, headline

[Back to CORE homepage](#) | [search journals](#)

Search by:

Source:

Showing results 1 - 16 of 16

Title	Acronym	Source	Rank	Changed?
ACM International Conference on Knowledge Discovery and Data Mining	SIGKDD	CORE2017	A*	Yes
ACM International Conference on Web Search and Data Mining	WSDM	CORE2017	A*	Yes
Australian Data Mining Conference	AusDM	CORE2017	Australasian	Yes
Educational Data Mining	EDM	CORE2017	B	No
IEEE International Conference on Data Mining	ICDM	CORE2017	A*	Yes
IEEE Symposium on Computational Intelligence and Data Mining	IEEE CIDM	CORE2017	C	No
Intelligence Tools, Data Mining, Visualization	IDV	CORE2017	C	No
International Conference on Advanced Data Mining and Applications	ADMA	CORE2017	B	No
International Conference on Knowledge Discovery and Data Mining	WKDD	CORE2017	C	No
International Workshop on Agents and Data Mining Interaction	ADMI	CORE2017	B	No
International Workshop on Domain Driven Data Mining	DDDM	CORE2017	C	No
Knowledge Discovery and Data Mining in Biological Databases Meeting	KDDMBD	CORE2017	C	No
Pacific-Asia Conference on Knowledge Discovery and Data Mining	PAKDD	CORE2017	A	No
SIAM International Conference on Data Mining	SDM	CORE2017	A	No
Workshop on Australasian Information Security, Data Mining and Web Intelligence, and Software Internationalisation	AISW	CORE2017	Australasian	Yes
Workshop on Research Issues in Data Mining and Knowledge Discovery	DMKD	CORE2017	C	No

# Scholar citation rankings

Google Scholar



Search Scholar

▼ English

Business, Economics & Management

Chemical & Material Sciences

▼ Engineering & Computer Science

**Data Mining & Analysis**

Health & Medical Sciences

Humanities, Literature & Arts

Life Sciences & Earth Sciences

Physics & Mathematics

Social Sciences

Chinese

Portuguese

Spanish

German

Russian

Top publications - Data Mining & Analysis [Learn more](#)

Publication	h5-index	h5-median
1. ACM SIGKDD International Conference on Knowledge discovery and data mining	67	98
2. IEEE Transactions on Knowledge and Data Engineering	66	111
3. ACM International Conference on Web Search and Data Mining	58	94
4. IEEE International Conference on Data Mining (ICDM)	39	64
5. Knowledge and Information Systems	38	52
6. ACM Transactions on Intelligent Systems and Technology (TIST)	37	68
7. ACM Conference on Recommender Systems	35	64
8. SIAM International Conference on Data Mining (SDM)	35	54
9. Data Mining and Knowledge Discovery	33	57
10. Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery	30	56
11. European Conference on Machine Learning and Knowledge Discovery in Databases	30	36
12. Social Network Analysis and Mining	26	37
13. ACM Transactions on Knowledge Discovery from Data (TKDD)	23	39
14. International Conference on Artificial Intelligence and Statistics	23	29
15. Pacific-Asia Conference on Knowledge Discovery and Data Mining (PAKDD)	22	30

# Microsoft Academic Search rankings

## Top Authors in [Computer science](#)

Items are sorted by saliency. ⓘ

1. Yoshua Bengio
2. Geoffrey E. Hinton
3. Andrew Zisserman
4. Kaiming He
5. Ilya Sutskever
6. Ross Girshick
7. Jian Sun
8. Trevor Darrell
9. Scott Shenker
10. Jeffrey Dean
11. Shaoqing Ren
12. Yann LeCun
13. Christian Szegedy
14. Li Fei-Fei
15. Ion Stoica

TOP AUTHORS IN COMPUTER SCIENCE

## Top Journals in [Computer science](#)

Items are sorted by saliency. ⓘ

1. arXiv: Computer Vision and Pattern Recognition
2. arXiv: Learning
3. IEEE Communications Magazine
4. IEEE Journal on Selected Areas in Communications
5. Bioinformatics
6. IEEE Transactions on Pattern Analysis and Machine I...
7. IEEE Transactions on Wireless Communications
8. Lecture Notes in Computer Science
9. IEEE Access
10. Proceedings of SPIE
11. Journal of the Acoustical Society of America
12. Communications of The ACM

## Top Institutions in [Computer science](#)

Items are sorted by saliency. ⓘ

1. IBM
2. Microsoft
3. Massachusetts Institute of Technology
4. Stanford University
5. University of California, Berkeley
6. Carnegie Mellon University
7. Google
8. Chinese Academy of Sciences
9. University of Illinois at Urbana-Champaign
10. Harvard University
11. University of Washington
12. Samsung
13. University of Michigan
14. Tsinghua University
15. University of Toronto

TOP INSTITUTIONS IN COMPUTER SCIENCE

## Top Conferences in [Computer science](#)

Items are sorted by saliency. ⓘ

1. CVPR
2. ICC
3. NeurIPS
4. ICASSP
5. CHI
6. ICCV
7. INFOCOM
8. SIGCOMM
9. GLOBECOM
10. AAAI
11. ACL
12. WWW



242,956,751

Publications



257,451,484

Authors



741,655

Topics



4,515

Conferences



48,965

Journals



25,786

Institutions

<https://academic.microsoft.com/home>

# How to measure quality – beyond Impact Factor

**Publish or perish tool (computes your metrics on Google Scholar data):**

<https://harzing.com/resources/publish-or-perish>

**For journals/conferences:**

- Acceptance rate – careful: depends on the community, conference type
- Quality and duration of peer review

**Other factors to consider:**

- Number of downloads
- Speed of publication
- Long-term archiving / digital preservations

# Altmetrics

## What does Altmetric do?



A single research output may live online in multiple websites and can be talked about across dozens of different platforms. At Altmetric, we work behind the scenes, collecting and collating all of this disparate information to provide you with a single visually engaging and informative view of the online activity surrounding your scholarly content.

Find out more →

<https://www.altmetric.com/>

**altmetrics**

## altmetrics: a manifesto

NO ONE CAN READ EVERYTHING. We rely on filters to make sense of the scholarly literature, but the narrow, traditional filters are being swamped. However, the growth of new, online scholarly tools allows us to make new filters; these altmetrics reflect the broad, rapid impact of scholarship in this burgeoning ecosystem. We call for more tools and research based on altmetrics.

<http://altmetrics.org/manifesto/>

# Book & chapter level metrics



## Opening Science

The Evolving Guide on How the Internet is Changing Research, Collaboration and Scholarly Publishing

Editors [\(view affiliations\)](#)

Sönke Bartling, Sascha Friesike

Open Access | Book



New metrics dashboard

Download book PDF



Download book EPUB







? Overall attention for this book and its chapters



Mentioned by

- 14 blogs
- 1 policy source
- 503 tweeters
- 8 Facebook pages
- 8 Wikipedia pages
- 6 Google+ users
- 1 video uploader

Citations

- 56 Dimensions

Readers on

- 226 Mendeley
- 4 CiteULike

TABLE OF CONTENTS

- Book Overview** (420)
- Chapter 1** (11): Towards Another Scientific Revolution
- Chapter 2** (167): Opening Science
- Chapter 3** (81): Excellence by Nonsense: The

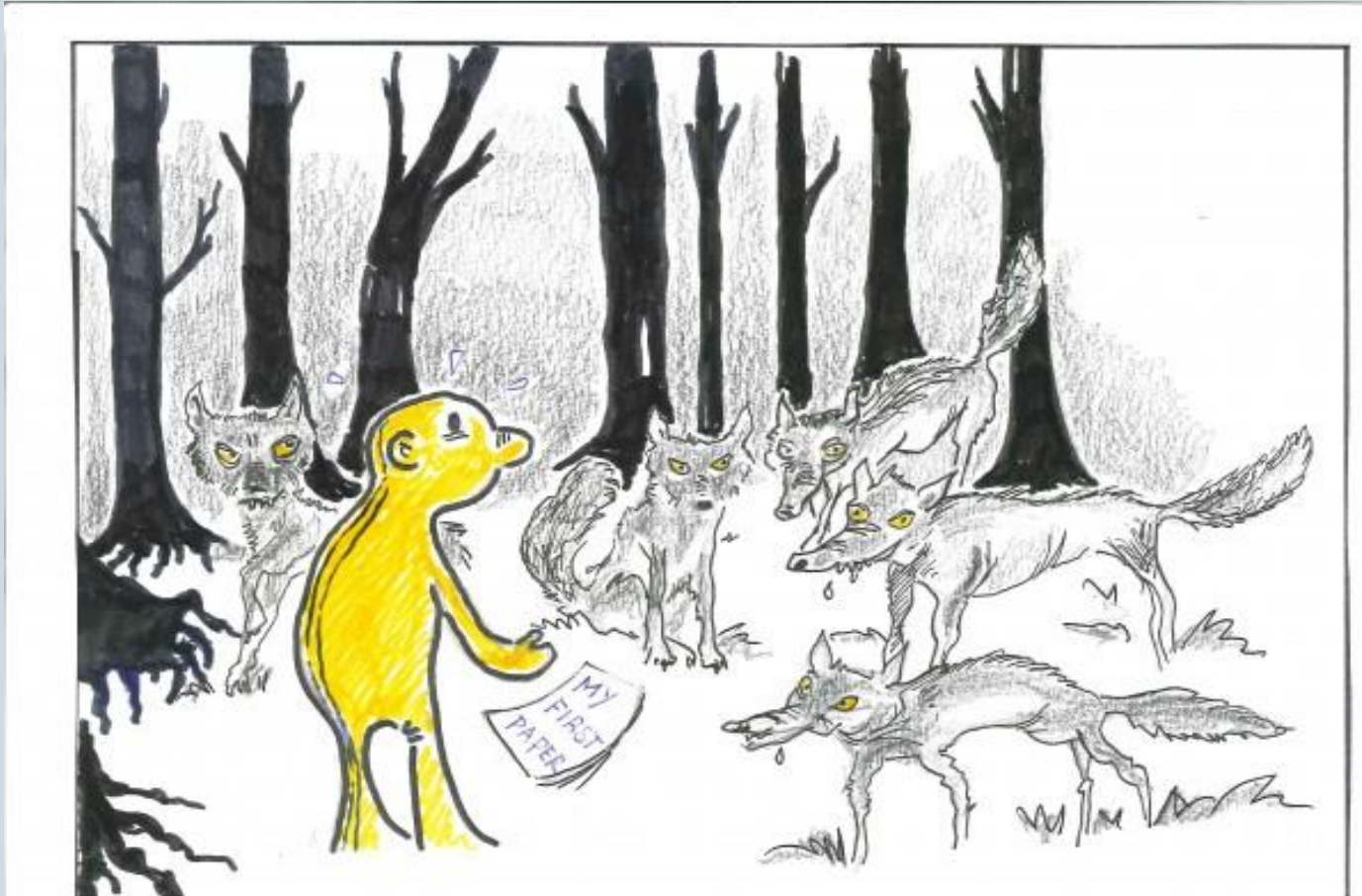
- SUMMARY**
- Blogs
- Policy documents
- Twitter
- Facebook
- Wikipedia
- Google+
- Video
- More.

<b>Title</b>	Opening Science
<b>Published by</b>	Opening Science. The Evolving Guide on How the Internet is Changing Research, Collaboration and Scholarly Publishing, January 2014
<b>DOI</b>	10.1007/978-3-319-00026-8
<b>ISBNs</b>	978-3-31-900025-1, 978-3-31-900026-8, 978-3-31-934257-3
<b>Authors</b>	Sönke Bartling, Sascha Friesike
<b>Editors</b>	Sönke Bartling, Sascha Friesike

powered by Google

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# Predatory publishing



Source <http://weblog.library.tudelft.nl/wp-content/uploads/2013/02/predatory-OA-publishers-600x424.jpg>

## How predatory publishers work

Create website of a journal or conference, nice and professional

could use a name similar to a known journal/conference

**Mass spam mailing to researchers asking to submit a paper**

the main focus is on indexing, impact factor, fast review. Topic is of secondary importance

**Papers are “reviewed”, but do not forget to pay the bill**

- What happens next?
  - Ideally, the paper is published and indexed
  - Conference does not necessarily take place
  - The article and the website may disappear in a couple of years



There are fake / mock conferences



# ICCBR 2017

25th International Conference on Case-Based Reasoning  
26-28 June 2017



## ICCBR 2017 : 19th International Conference on Case-Based Reasoning

San Diego, USA  
December 18 - 19, 2017



## ICCBR 2017 : 19th International Conference on Case-Based Reasoning

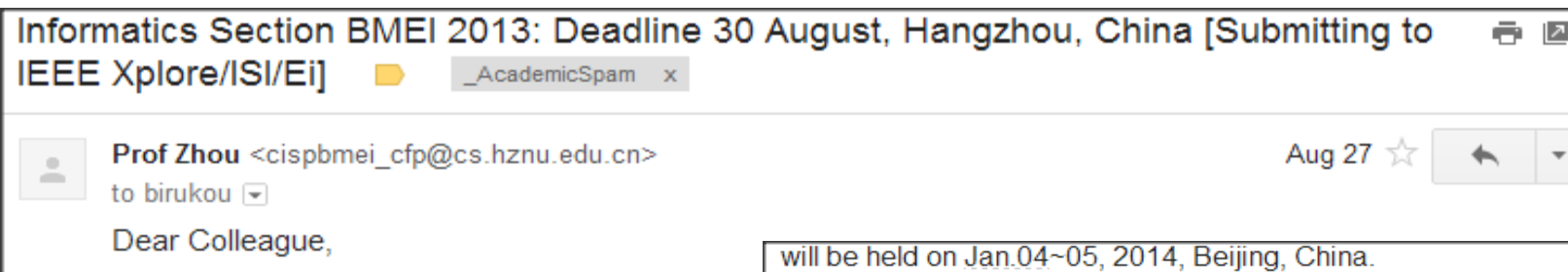
Chicago, USA  
October 26 - 27, 2017



## ICCBR 2017 : 19th International Conference on Case-Based Reasoning

Bali, Indonesia  
October 23 - 24, 2017

# Top conferences and journals do not SPAM your mailbox...



## ACADEMIC SPAM

My inbox became a lot more manageable after I implemented this filter:

### Create a Filter

**Choose search criteria** Specify the criteria you'd like for determining what to do with a message as it arrives.

Has the words:

**Apply the label:**  ▾

Also apply filter to **1900 conversations** below.

no joke!

# Predatory publishing in Kazakhstan

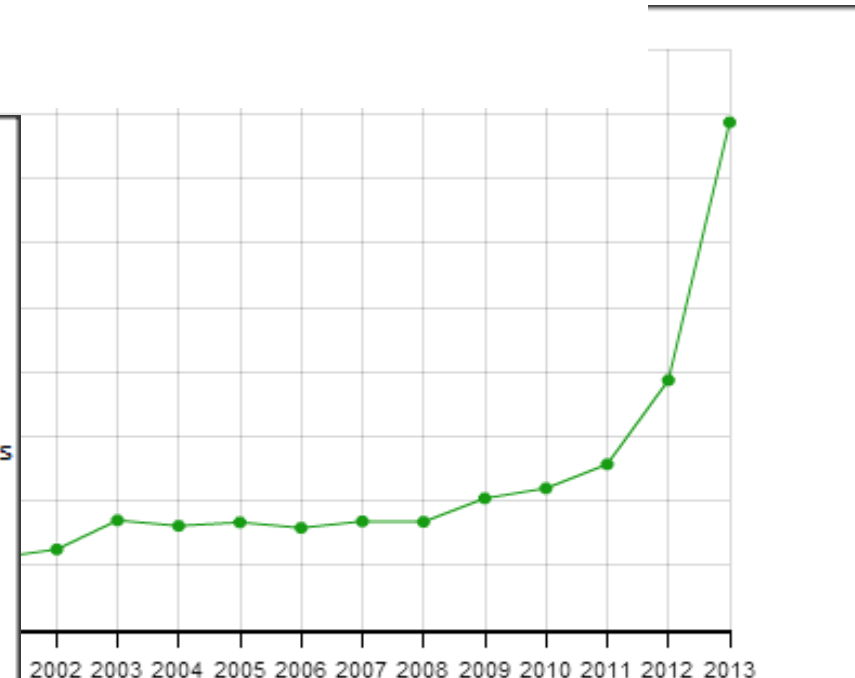
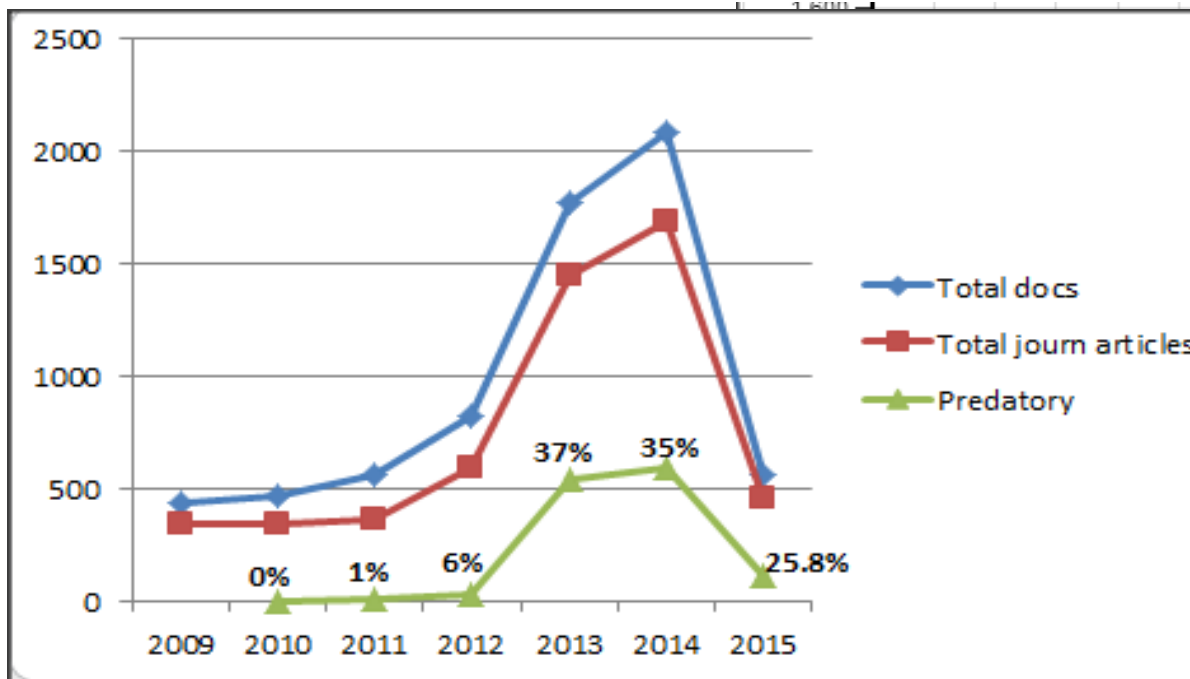
On 31.03.2011 Kazakhstan changed the policy of giving PhD/mS degrees to the scientists. From that date, candidates had to publish 1-3 publications in journals indexed in Scopus or WoS

In 2014, 35% of all articles in Kazakhstan were published in 3!!! journals:

Life Science Journal (480 articles)

World Applied Sciences Journal (99 articles)

Mediterranean Journal of Social Sciences (21 articles)



# Иностранные хищные журналы в Scopus и WoS: переводной плагиат и российские недобросовестные авторы

Комиссия РАН по противодействию фальсификации научных исследований При участии А.А. Абалкиной, А.С. Касьяна, Л.Г. Мелиховой: <https://kpfran.ru/wp-content/uploads/plagiarism-by-translation-2.pdf>

## Основные результаты:

- 259 статей российских авторов, которые содержат переводной плагиат
- Лица в редколлегии 5 журналов причастны к защитах недоброкачественных диссертаций
- 9 журналов (6 Scopus/WoS и 3 исключенных) приняли заведомо лженаучные статьи, автоматически переведенные на английский
- Более 30 руководителей российских университетов имеют статьи с переводным плагиатом
- Более 1100 человек, причастных к случаям публикации неоригинальных переводных статей
- Более 23700 публикаций с участием российских авторов в журналах списка. Больше – только у авторов из Индии



Форум  
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Российская Академия Наук

← научные исследования | Экспертное научное обеспечение | Научные советы, комитеты, комиссии | Научно-издательство

Версия для печати

■ **Доклад Комиссии РАН по противодействию фальсификации научных исследований о хищных журналах и переводном плагиате**

12.08.2020

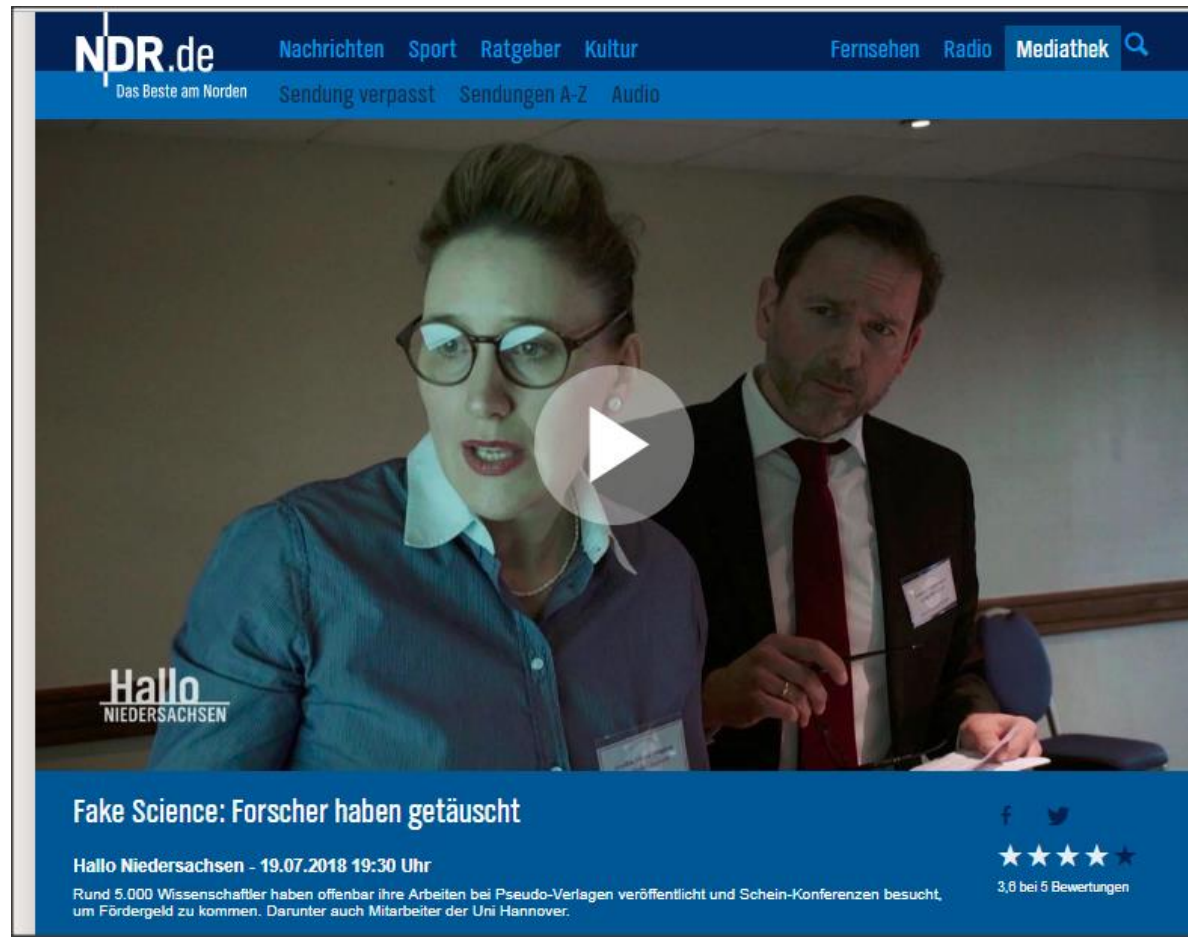
Комиссией РАН по противодействию фальсификации научных исследований подготовлен доклад «Иностранные хищные журналы Scopus и WoS: переводной плагиат и российские недобросовестные авторы»: <https://kpfran.ru/wp-content/uploads/plagiarism-by-translation-2.pdf>

Доклад был представлен на заседании Президиума РАН 16 июня и на заседании комиссии Минобрнауки России по рассмотрению вопросов научной этики 31 июля.

В докладе проанализированы 94 зарубежных журнала, входящих в базы данных Web of Science Core Collection или Scopus. Найден 174 статьи с плагиатом из русскоязычных источников, переведенных автоматически, а также 85 статей с приписным соавторством. В переводном плагиате участвовало более 1100 российских авторов. Всего в изученных «хищных» журналах опубликовано около 23700 публикаций российских авторов. Девять журналов приняли к публикации заведомо лженаучные статьи, переведенные компьютерными программами, в частности про «волновую генетику» и «новую хронологию».

# Fake science – documentary. Journalist investigation of fake conferences

<https://www.ardmediathek.de/daserste/video/reportage---dokumentation/exklusiv-im-ersten--fake-science---die-luegenmacher/daserste/Y3JpZDovL2Rhc2Vyc3RlLmRlL3JlcG9ydGFnZSBfIGRva3VtZW50YXRpb24gaW0gZXJzdGVuL2ZjNDRjMzE5LWQzNTEtNGFIYi05YWY2LTBhNzA1YjlxNtk5OA/>



The screenshot shows a video player interface from NDR.de. The top navigation bar includes the NDR.de logo with the tagline "Das Beste am Norden", and menu items for "Nachrichten", "Sport", "Ratgeber", "Kultur", "Fernsehen", "Radio", and "Mediathek". Below the navigation bar is a video player showing a scene from a documentary. The video features a woman with glasses and a man in a suit. A large play button is overlaid on the video. The video title is "Fake Science: Forscher haben getäuscht". Below the title, it says "Hallo Niedersachsen - 19.07.2018 19:30 Uhr". At the bottom, there is a rating of 3.8 out of 5 stars based on 5 reviews. The video description reads: "Rund 5.000 Wissenschaftler haben offenbar ihre Arbeiten bei Pseudo-Verlagen veröffentlicht und Schein-Konferenzen besucht, um Fördergeld zu kommen. Darunter auch Mitarbeiter der Uni Hannover."

**NDR.de** Nachrichten Sport Ratgeber Kultur Fernsehen Radio Mediathek

Das Beste am Norden Sendung verpasst Sendungen A-Z Audio

**Hallo**  
NIEDERSACHSEN

**Fake Science: Forscher haben getäuscht**

Hallo Niedersachsen - 19.07.2018 19:30 Uhr

Rund 5.000 Wissenschaftler haben offenbar ihre Arbeiten bei Pseudo-Verlagen veröffentlicht und Schein-Konferenzen besucht, um Fördergeld zu kommen. Darunter auch Mitarbeiter der Uni Hannover.

3,8 bei 5 Bewertungen



## How to identify a trustworthy journal

Reputable publisher

Springer, Elsevier, Wiley, PLoS, etc.

Editorial board

International and familiar

Indexed

Indexed by common databases

Authors

Do you recognize the authors?

Fees

Only paid after acceptance

# Think Check Submit – learn to reflect on journal publication options



Choose the right journal for your research

Home

Think

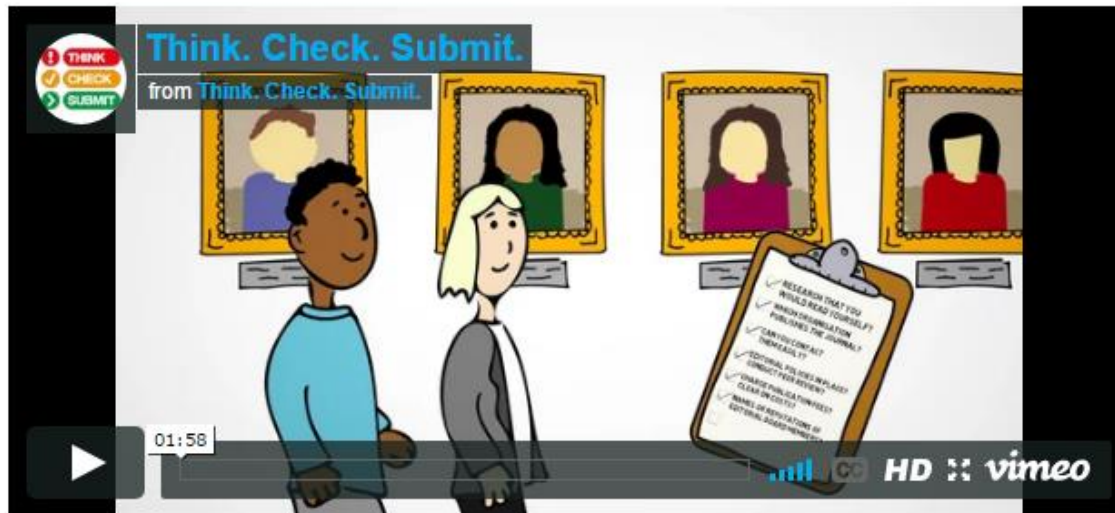
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<https://www.springer.com/gp/open-access/springer-open-choice>

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\* Within the first three years of publication. Springer Nature hybrid journal OA impact analysis, 2018.

Tweets by @SpringerOpen



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citations



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articles across all subjects

**2.5x**  
more Altmetric  
attention



OA articles attracted  
1.9x more news mentions and  
1.2x more policy mentions

# Open Access in books and proceedings

<https://www.springer.com/gp/open-access/books/resources>

<https://www.springer.com/gp/computer-science/lncs/open-access-publishing-in-computer-proceedings>

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**Unique IDs for researchers, organizations, conferences, ...**



## Persistent / Unique IDs: use them as much as you can



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- **For papers – DOIs**
  - Publishers register DOIs for you
  - <http://www.doi.org/> Example: <https://doi.org/10.1002/0470841559.ch1>
- **For funders - FundRef**
  - <https://www.crossref.org/services/content-registration/funding-data/>
- **For affiliations – GRID**  **or ROR** 
  - <https://grid.ac/> <https://www.ror.community/>

## Persistent / Unique IDs: use them as much as you can

- **For books:** ISBN, or international standard book number.
  - one for each version, edition, etc.
- **For serial publications (journals, book series, magazines):** ISSN, an 8 digit number
  - one for electronic, another for print version. Changes if the publisher/name changes significantly

Bibliographic information		
<b>DOI</b> https://doi.org/10.1007/978-3-319-09846-3	<b>Copyright Information</b> The Editor(s)(if applicable) and the Author(s) 2014	<b>License</b> CC BY-NC
<b>Publisher Name</b> Springer, Cham	<b>eBook Packages</b> <a href="#">Computer Science</a>	<b>Print ISBN</b> 978-3-319-09845-6
<b>Online ISBN</b> 978-3-319-09846-3	<b>Series Print ISSN</b> 0302-9743	<b>Series Online ISSN</b> 1611-3349

- **For conferences – being developed.**
  - <https://www.crossref.org/working-groups/conferences-projects/>

# Sharing your papers beyond Green/Gold Open Access: SharedIt

*Springer Nature wants researchers to share content easily and legally. Our Springer Nature SharedIt content-sharing initiative means that links to view-only, full-text subscription research articles can be posted anywhere - including on social media platforms, author websites and in institutional repositories - so researchers can share research with colleagues and general audiences.*

<https://www.springernature.com/sharedit>

- Started for journal articles in 2014
- SharedIt was enabled in two proceedings series in 2017
- ~650 proceedings – with ~20,000 papers
- SpringerLink subscribers can create links and share with their colleagues, tweet, etc.
- From February 2020: expanded to all conference proceedings: <https://www.springer.com/gp/about-springer/media/press-releases/corporateg/springer-nature-expands-sharedit-initiative/17622434>



Springer Nature's research sharing initiative SharedIt expanded to include conference proceedings

Springer Nature continues its commitment to opening up research and enabling the advancement of discovery with the rollout of the SharedIt initiative to proceedings books.

Heidelberg | London, 04 February 2020

Springer Nature continues to advance sharing

Over 3.25 million articles accessed in SharedIt's first year

London | Berlin, 27 November 2017

SharedIt

Springer Nature's commitment to content sharing



**Springer Nature, Cambridge University Press, Thieme and ResearchGate announce new cooperation to make it easier to navigate the legal sharing of academic journal articles**

19th April 2018 by Danielle Bengsch

# Conference PIDs and peer review transparency

## Crossref / DataCite working group

- Launched – 2017
- Technical group (implementation) – Feb 2019
- Scope of the group:
  - (1) Unique Conference IDs – implement for other publishers
  - (2) Metadata on peer-review process
- Read more about the group:
  - <https://www.crossref.org/working-groups/conferences-projects/>
- Conference metadata document:
  - <https://www.crossref.org/blog/pids-for-conferences---your-comments-are-welcome/>

- Group participants:



# Crossmark for conference proceedings

## Goals

- transparency of the peer review process
- identification of the conference, where the paper/chapter was presented
  - via conference's [persistent identifier](#)

## Scope

- currently implemented in Springer Nature's computer science proceedings (LNCS, LNBIP, CCIS, IFIP-AICT and LNICST series)
- can be used by all Crossref members, publishing conference proceedings

## Acknowledgements

- This project stems from the research on creating a dataset of peer review in computer science conferences published by Springer, carried out in the PEERE project: TD1306 - New Frontiers of Peer Review (PEERE)



# Crossmark for conference proceedings - screenshots

[International Symposium on String Processing and Information Retrieval](#)

..... SPIRE 2018: [String Processing and Information Retrieval](#) pp 1-11 | [Cite as](#)

## Recoloring the Colored de Bruijn Graph

Authors

[Authors and affiliations](#)

Bahar Alipanahi , Alan Kuhnle, Christina Boucher

Conference paper

First Online: 14 September 2018

90

Downloads

Part of the [Lecture Notes in Computer Science](#) book series (LNCS, volume 11147)

### is live since mid September 2018

## About this paper



Check for updates

Cite this paper as:

Alipanahi B., Kuhnle A., Boucher C. (2018) Recoloring the Colored de Bruijn Graph. In: Gagie T., Moffat A., Navarro G., Cuadros-Vargas E. (eds) String Processing and Information Retrieval. SPIRE 2018. Lecture Notes in Computer Science, vol 11147. Springer, Cham

First Online

14 September 2018

DOI

[https://doi.org/10.1007/978-3-030-00479-8\\_1](https://doi.org/10.1007/978-3-030-00479-8_1)

Publisher Name

Springer, Cham

Print ISBN

978-3-030-00478-1

Online ISBN

978-3-030-00479-8

eBook Packages

[Computer Science](#)

### More Information

#### Conference Information

Conference Acronym: SPIRE

Conference Name: International Symposium on String Processing and Information Retrieval

Conference City: Lima

Conference Country: Peru

Conference Year: 2018

Conference Start Date: 9 October 2018

Conference End Date: 11 October 2018

Conference Number: 25

Conference ID: spire2018

Conference URL: <http://eventos.spc.org.pe/spire2018/>

#### Peer Review Information

Type: Single-blind

Conference Management System: EasyChair

Number of Submissions Sent for Review: 51

Number of Full Papers Accepted: 22

Number of Short Papers Accepted: 6

Acceptance Rate of Full Papers: 43% - The value is computed by the equation "Number of Full Papers Accepted / Number of Submissions Sent for Review \* 100" and then rounded to a whole number.

Average Number of Reviews per Paper: 3

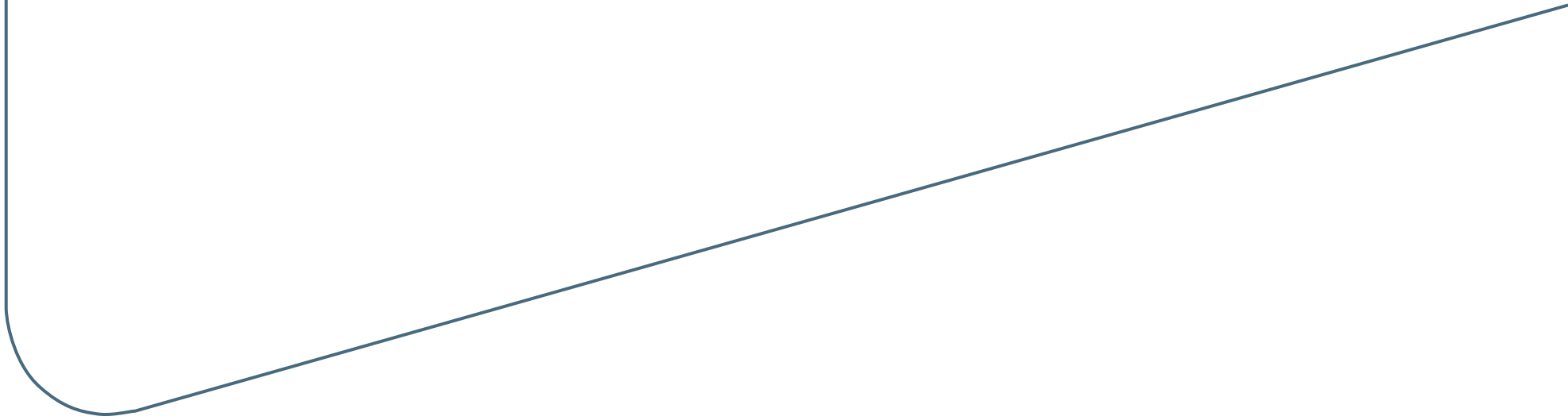
Average Number of Papers per Reviewer: 3.8

External Reviewers Involved: Yes

# Open science, open access, open data, ...



# Data publishing



*“One reason that the worldwide web worked was because people reused each other’s content in ways never imagined or achieved by those who created it. The same will be true of open data.”*

*– Tim Berners-Lee and Nigel Shadbolt, The Times, New Year’s Eve 2011*

What is (are) open data?

*“Open data and content can be **freely used, modified, and shared by anyone for any purpose**”*

<http://opendefinition.org/>



# Journals dedicated to publishing data: Scientific Data

nature.com > scientific data a natureresearch journal

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Data Descriptor | 07 June 2016 | OPEN

## Evaluating vertebrate fossils with X-ray computed tomography

Data Descriptor | 07 June 2016 | OPEN

### Spatializing 6,000 years of global urbanization from 3700 BC to AD 2000

Meredith Reba, Femke Reitsma & Karen C. Seto

Data Descriptor | 07 June 2016 | OPEN

### Extensive sequencing of seven human genomes to characterize benchmark reference materials

Justin M. Zook, David Catoe [...] Marc Salit

Announcement

### The #scidata16 draft programme and call for lightning talks

June 7 | by Mat Astell

scientificdata updates

# How to publish data

- Use an appropriate repository: Figshare, Dryad, ...
- When using GitHub (for software) it might still make sense to deposit a “snapshot at the time of paper publication” to a data repository or a dedicated platform (CodeOcean, Gigantum) for:
  - digital preservation
  - making it possible to reproduce your experiments exactly as they were done

## Springer Nature recommended repository list

<http://www.springernature.com/gp/group/data-policy/repositories>

Free advice on choosing a repository at [researchdata@springernature.com](mailto:researchdata@springernature.com)

# Example: data publishing for ISWC 2017

SpringerLink

International Semantic Web Conference  
ISWC 2017: *The Semantic Web - ISWC 2017* pp 66-74 | [Cite as](#)

## Ireland's Authoritative Geospatial Linked Data

Authors: [Authors and affiliations](#)  
Christophe Debruyne, Alan Meehan, Éamonn Clinton, Lorraine McNerney, Atul Nautiyal, Peter Lavin, Declan O'Sullivan

Conference paper  
First Online: 04 October 2017

Part of the [Lecture Notes in Computer Science](#) book series (LNCS, volume 10588)

### Abstract

Data.geohive.ie aims to provide an authoritative service for serving Ireland's national geospatial data as Linked Data. The service currently provides information on Irish administrative boundaries and the boundaries used for the Irish 2011 census. The service is designed to support two use cases: serving boundary data of geographic features at various level of detail and capturing the evolution of administrative boundaries. In this paper, we report on the development of the service and elaborate on some of the informed decisions concerned with the URI strategy and use of named graphs for the support of aforementioned use cases ? relating those with similar initiatives. While clear insights on how the data is being used are still being gathered, we provide examples of how and where this geospatial Linked Data dataset is used.

```

xmlns:cc="http://creativecommons.org/ns#"
xmlns:rdfs="http://www.w3.org/2000/01/rdf-schema#"
<owl:Ontology rdf:about="http://ontologies.geohive.ie/osiprov#"
  <owl:imports rdf:resource="http://www.w3.org/ns/prov-o-20130430"/>
  <dc:title xml:lang="en">OSi Provenance Ontology</dc:title>
  <dc:rights xml:lang="en">The OSi Ontology is available under the CC 4.0 BY License; see http://creativecommons.org/licenses/by/4.0/. This
  license lets others distribute, remix, tweak, and build upon your work, even commercially, as long as they credit you for the original creation. For proper
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  Group, Trinity College Dublin and Ordnance Survey Ireland as part of the SFI ADAPT Centre (Grant 13/RC/2106).&quot; and link back to the ontology&apos;s URL.
  </dc:rights>
  <rdfs:comment>The Irish labels for concepts introduce for this ontology are still pending approval. The Irish labels are thus still subject to
  change and missing labels will be added in due time.</rdfs:comment>
  <cc:license rdf:resource="http://creativecommons.org/licenses/by/4.0/" />
  <dc:publisher rdf:resource="http://www.osi.ie/" />
</owl:Ontology>
  
```

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### GeoHive Administrative Boundaries Dataset

18.10.2017, 14:23 by Christophe Debruyne, Alan Meehan, Eamonn Clinton, Lorraine McNerney, Atul Nautiyal, Peter Lavin, Declan O'Sullivan

66 views | 1 downloads | 0 citations

This dataset contains ontologies, full dump of the administrative boundaries (NQUADS) of data.geohive.ie, and metadata about the dataset derived from Ordnance Survey Ireland (OSI), Ireland's national mapping agency.

**fulldump.nq** - full dump of the rdf administrative boundary dataset in N-Quads, a line-based, plain text RDF format.  
**osi\_prov.rdf** - OSi Provenance Ontology in RDF format  
**osi\_voc.rdf** - OSi Boundary Ontology in RDF format  
**fulldumpmetadata.ttl** - metadata in Terse RDF Triple Language describing the full dump of the rdf administrative boundary dataset.

All data files can be accessed through openly-available text edit software. URIs resolve to either HTML pages or RDF serialization by means of content negotiation.

21. Meehan, A., McNerney, L., Clinton, E., O'Sullivan, D., Nautiyal, A., Lavin, P.: GeoHive Administrative Boundaries Dataset. Figshare (2017).

<https://doi.org/10.6084/m9.figshare.5235961>

The paper will also link to the data on Figshare and have a proper data citation.

The data on Figshare links to the published paper

# Nature Research Academies Research Data taster webinar

<https://register.gotowebinar.com/register/5800554265907128332>

Our trainer Rebecca Grant will lead a 20 minute live session introducing participants to a best practice framework for research data sharing: the FAIR Data Principles. This session is a short extract from a comprehensive digital workshop agenda which covers all aspects of best practice in research data management and sharing, including metadata creation, selecting repositories, data licensing and data citation.



**Taster Webinar:  
Research Data**

Thursday Sep 30

10:15 UK  
14:45 India  
18:15 Japan  
19:15 Australia



nature research  
ACADEMIES

Featuring: Rebecca Grant

# Trainings on scientific writing, open science and other topics



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St. Petersburg Polytech (conference report),  
Roshydromet, MEPHI (animations and custom reports)

## Nature Careers

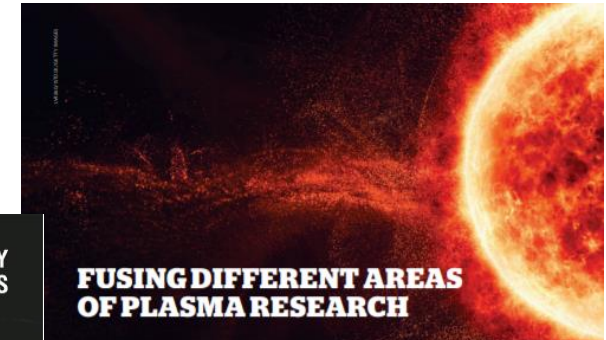
ITMO, Skoltech, St. Petersburg Polytech

## Nature Index

St. Petersburg Polytech, Roshydromet,  
MEPHI

## Nature Conference

St. Petersburg Polytech



In probing the fourth state of matter, researchers found **SURPRISING CROSS-OVERS IN DIFFERENT BRANCHES** of plasma research.

**N**early nine per cent of visible matter in the Universe is plasma.

This fourth fundamental state of matter is important not just because it is so commonly found, but also because plasma technologies are in such ubiquitous use, including electrical engineering, industrial machinery, food security, and biomedical and ecological applications.

The Advances and Applications in Plasma Physics conference at the St. Petersburg Polytechnic University (SPbPU) in September 2019 was the first Nature conference to be held in Russia. It was also unusual in combining the different strands of plasma research.

"The conference is intended to provide a platform for experts from different fields of plasma physics and from different regions and countries," said Pavel Goncharov, one of the organizers from SPbPU. "I hope

this event will contribute to push the front lines of plasma research."

**Fusion** Nuclear fusion provides the Sun's energy, and recreating nuclear fusion on Earth is anticipated to be a future source of cheap, clean energy. But there are many challenges to overcome before we can realize a viable commercial fusion reactor.

In order to get the atomic nuclei to fuse, the plasma "fuel" must be confined at high temperatures and pressure, typically achieved with powerful magnetic fields. There are two leading designs of experimental fusion reactor, tokamak and stellarator, which have different configurations.

Vladimir Rozhansky, head of the Laboratory of Controlled Thermonuclear Fusion at SPbPU, and a conference organizer, described one of the

most challenging engineering problems presented by tokamaks. The plasma is confined by magnetic fields in a doughnut-like torus shape, but heavier "inherent" elements from the so-called scrape-off layer (SOL) hit the divertor plate.

"Plasma generates in the order of 100 MW of power, but the

divertor plates can only cope with 10 MW per square metre," he explained. "At the moment it's unclear how to organize the edge of the reactor so that it can work in real situations."

Rozhansky said he is looking to the Sun for inspiration. "In the main part of the chromosphere, plasma is only very slightly ionized. Then there's a transition region, where temperature increases dramatically. We can try to use this as a model."

"Stellarators are also doughnut-shaped, but use magnetic fields generated by twisted coils, meaning they are not symmetrical around their central axis. Inevitably, an assistant professor in the Department of Applied Physics at Eindhoven University of Technology in the Netherlands, explained that stellarator's advantage is that the magnetic field created by the coils is sufficient to confine the

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# Any questions?

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V. Voevodin, S. Sobolev

**Supercomputing**

# The role of publishers

## Main functions of publishers

- **registration** – who did it first?
- **certification** – was it done properly? (checked by peer review)
- **dissemination** – who should read this?
- **archiving** – permanent public record – digital preservation, etc.



## Main services provided by publishers

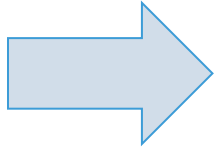
- Launching and stopping journals, book series, conferences
- Research ethics / research integrity (plagiarism, rights disputes, ...)
- Training authors, reviewers, journal editors
- Compliance with funder mandates, etc
- Typesetting, copyediting, implementing new technologies
- Infrastructure: Crossref, ORCID, Portico, ...

# Focusing on Value – 102 Things Journal Publishers Do (2018 Update)

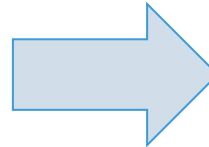
By **KENT ANDERSON** | FEB 6, 2018 | **14 COMMENTS**

<https://scholarlykitchen.sspnet.org/2018/02/06/focusing-value-102-things-journal-publishers-2018-update/>

# Dissemination



10+ mln  
papers



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- companies

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## Indexing



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*Conference Proceedings Citation Index*



AMERICAN MATHEMATICAL SOCIETY  
**MathSciNet**<sup>®</sup>  
 Mathematical Reviews



## Exclusive publishing venues



THE LANCET



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- High selectivity / Hard to get published
- High impact

## “Regular” commercial publishers

**nature**research

 **BioMed** Central  
The Open Access Publisher

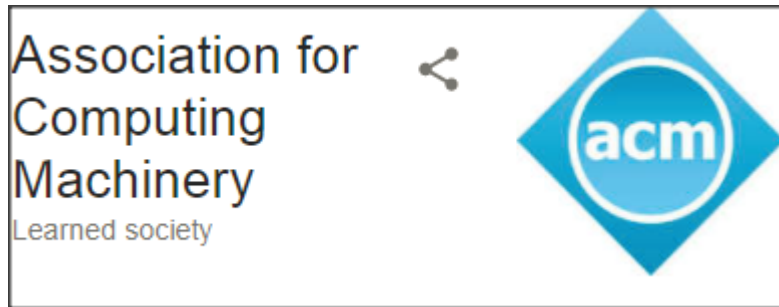
 **Springer**



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- Selectivity medium to high / Easier to get published
- Medium impact

## Society publishing



The Guardian



THE ROYAL SOCIETY



- Most learned societies are non-profit organizations and many are professional associations
- Selectivity and impact varies, since the societies cover the whole spectre (from very prestigious to dubious)

# Self-publishing

JMLR

Journal of Machine Learning Research

The Journal of Machine Learning Research (JMLR) provides an international forum for the electronic and paper volumes in all areas of machine learning. All published papers are freely available online.

JMLR has a commitment to rigorous yet rapid reviewing. Final versions are [published electronically](#) (ISSN 1532-4435) (ISSN 1532-4435) were published 8 times annually and sold to libraries and individuals. The [electronic volumes](#) (ISSN 1532-4435) are now published and sold by [Microtome Publishing](#).

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## News

- Changes in JMLR leadership team.
- Special topic on Learning from Electronic Health Data (Dec 2016)
- Special issue in Memory of Alexey Chervonenkis (Sep 2015).
- Volume 17 completed; Volume 18 began.



- **Selectivity varies / Easier to get published**
- **Medium impact: low globally, could be very high in a niche community**



The life of a Nature paper



# Peer review

## Peer review - What is it and why is it important?

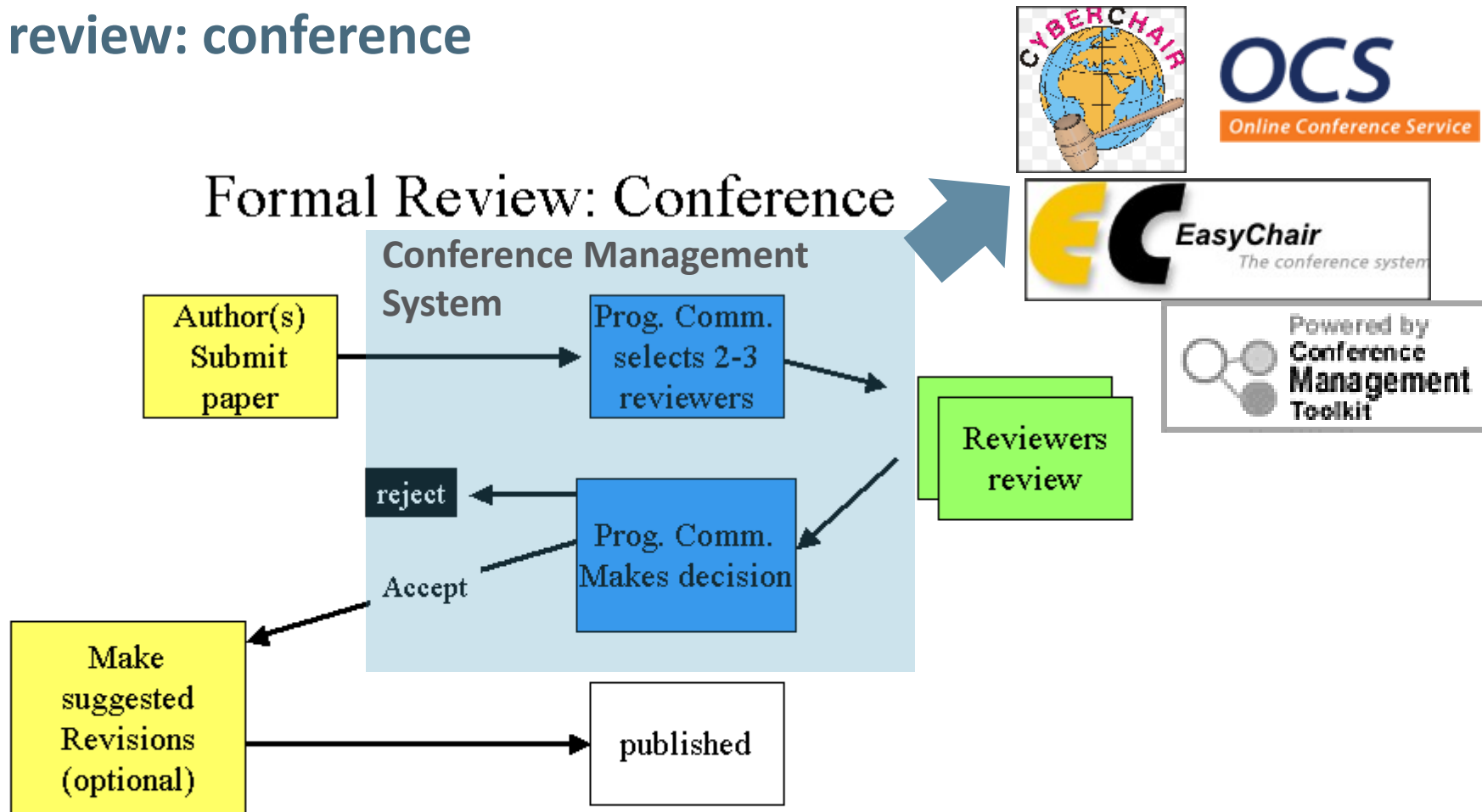
- Peer review is the process of having other experts in the field evaluate your article, your research and methodology, to determine if your paper is suitable for publication.
- Peer review is employed to maintain a high quality standard of published papers and to provide credibility.



Is peer review working?

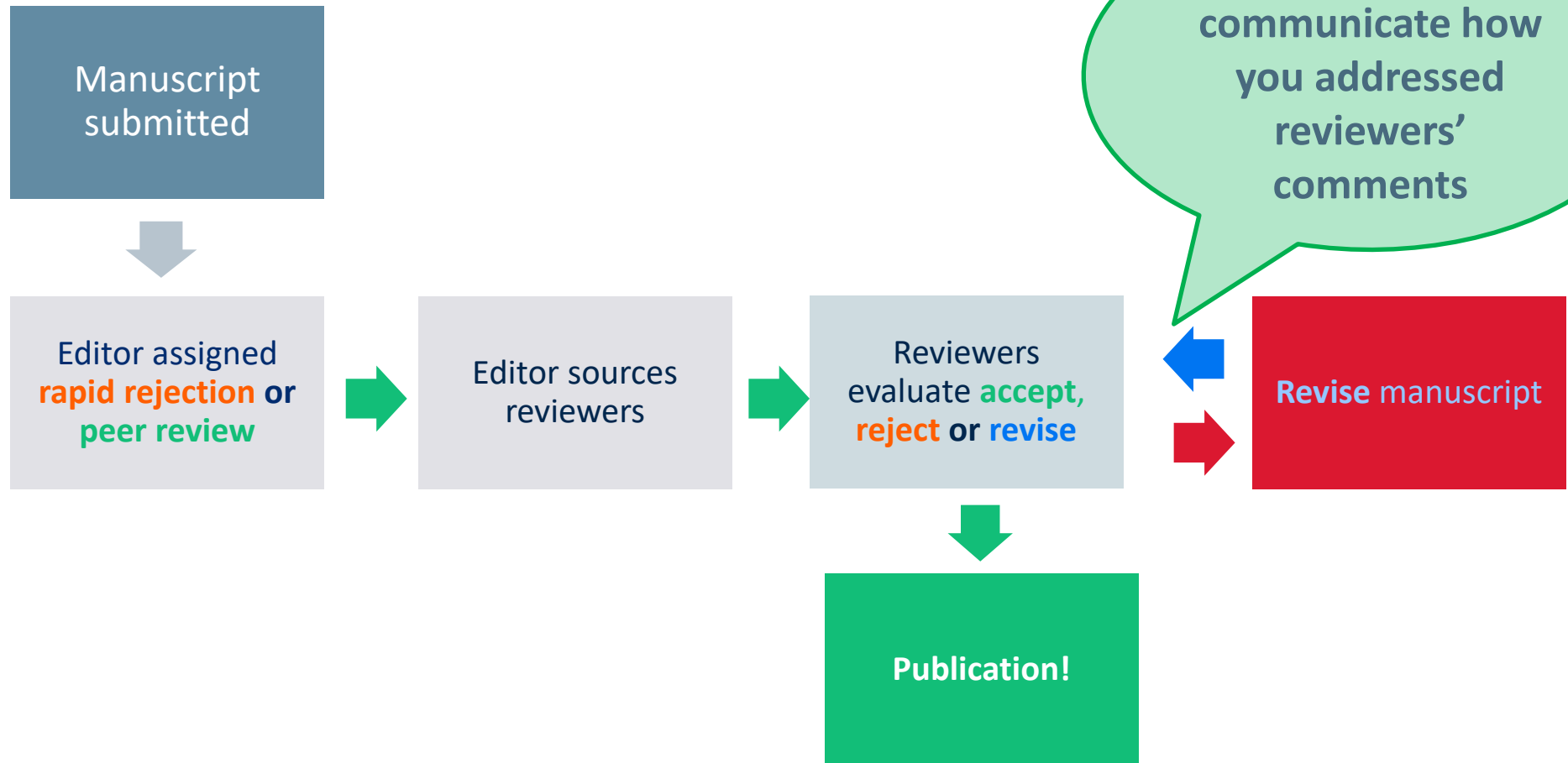
Find out at <http://peere.org>

# Peer review: conference

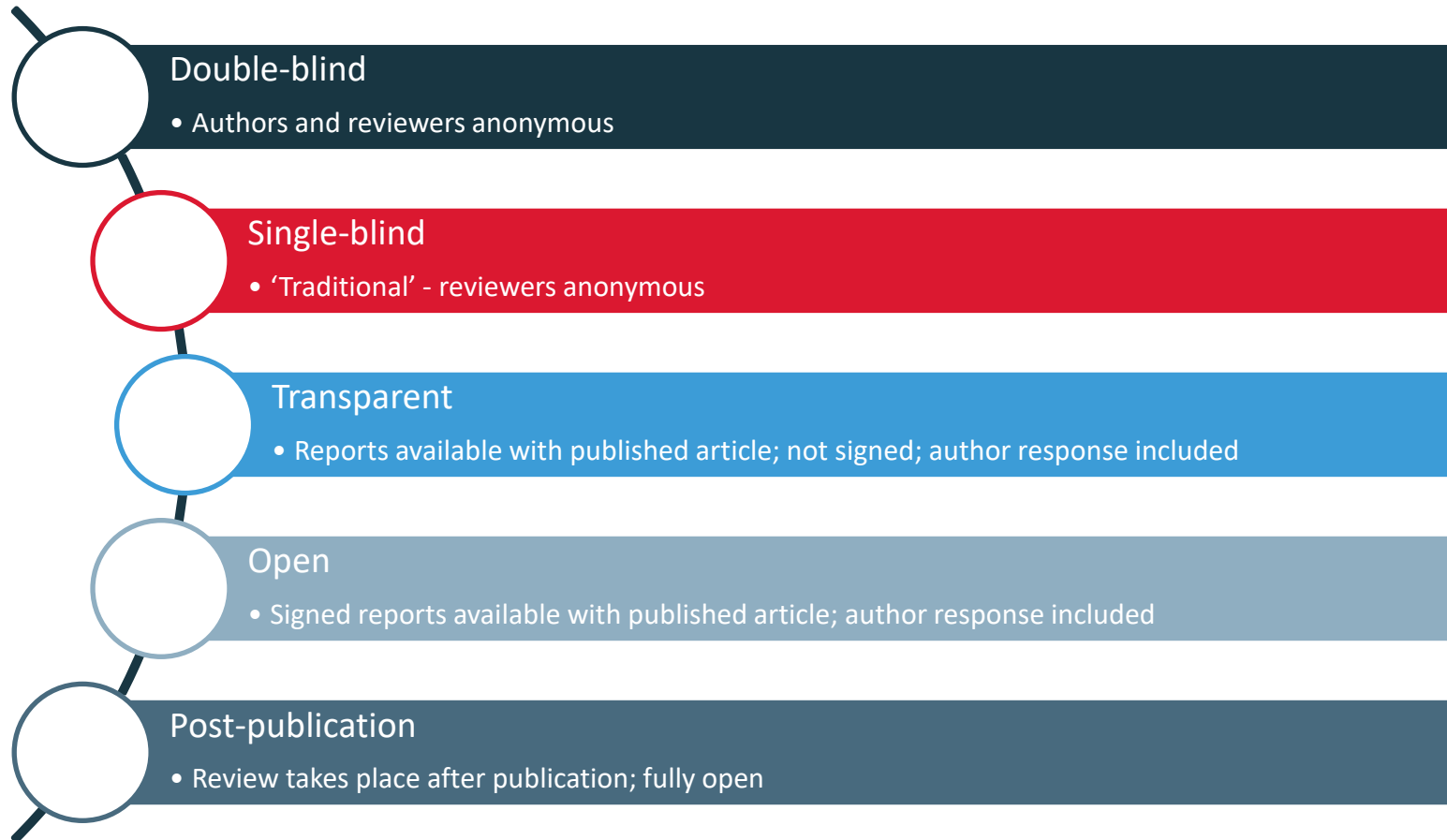


# Peer review: journal

Submission to publication in a journal: 3–12 months



# Development in peer review models



# Getting credit for peer review

<https://publons.com/home/>

...no native support for conferences yet!

Aliaksandr Birukou

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Aliaksandr  
Birukou

### ORCID ID

<https://orcid.org/0000-0002-4925-9131>

Print view

### Also known as

Alexander Birukov, Alex Birukou,  
Александр Бирюков, Аляксандр  
Бірукоў

### Country

Belarus

### Keywords

scholarly data, conference  
proceedings, LNCS, linked open  
data, LOD, publishing

Works (26 of 26)

Peer review (9)

review activity for [Autonomous Agents and Multi-Agent Systems](#)(1)

review activity for [Elsevier](#)(2)

review activity for [Frontiers](#)(2)

review activity for [IEEE Software](#)(1)

review activity for [IEEE Transactions on Knowledge and Data Engineering](#)(1)

review activity for [New Generation Computing](#)(1)

review activity for [Scientometrics](#)(1)

Autonomous Agents and Multi-Agent...

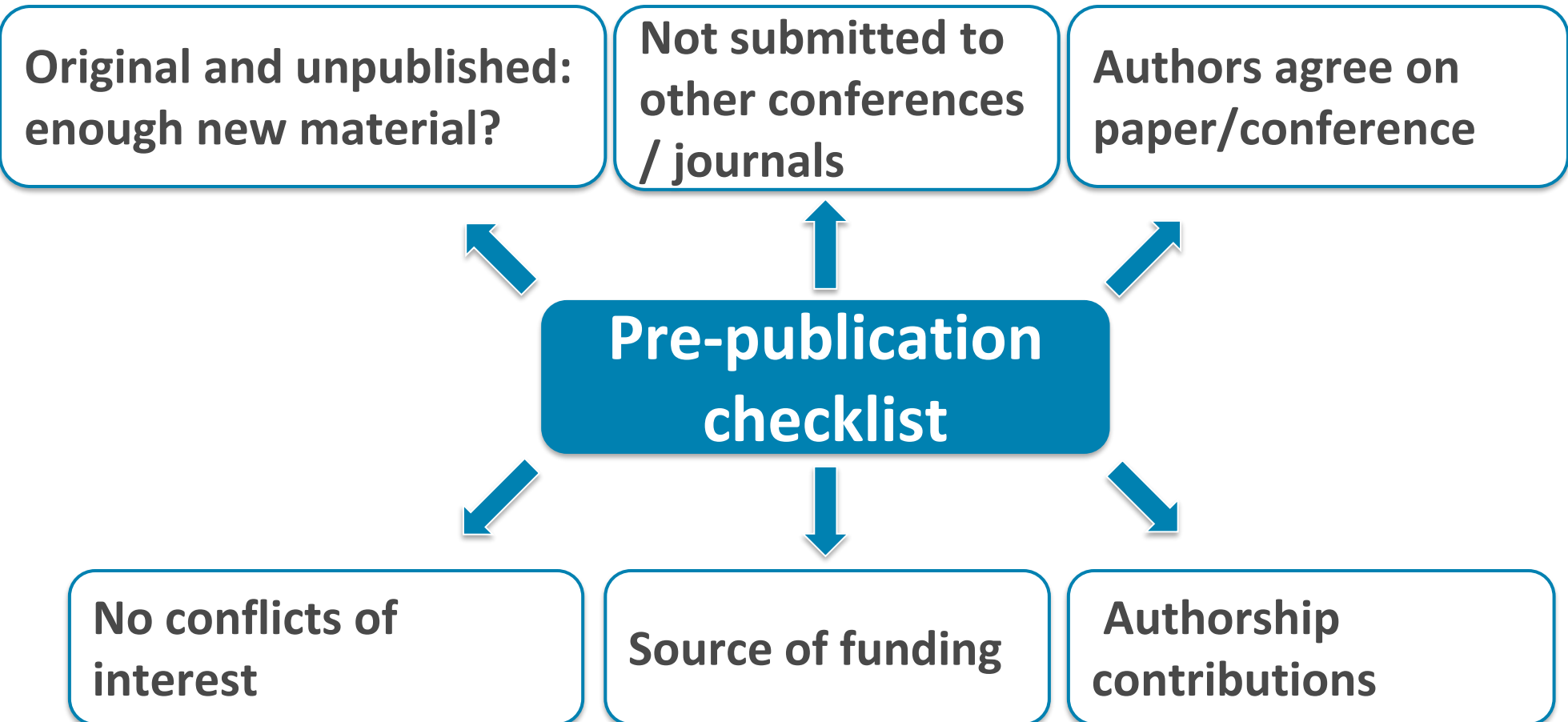
New Generation Computing

Scientometrics

Items

# Publication ethics

# Publication ethics: short summary of main points





# Misconduct in Science

## In Science integrity is the most important thing

- Easy to say
- Hard to do
- Science punishes misconduct

## Useful links

- The Office of Research Integrity (ORI) – US – Infographics:  
<https://ori.hhs.gov/infographics?platform=hootsuite>
- The Committee on Publication Ethics (COPE) resources:  
<http://publicationethics.org/resources>
- Publishing Ethics for Journals – Springer guidelines:  
<https://www.springer.com/gp/authors-editors/editors/publishing-ethics-for-journals/4176>

## ...a couple of words about COPE

The **Committee on Publication Ethics** (COPE) was established in 1997 by a small group of journal editors in the UK but now has over 10 000 members worldwide from all academic fields. Membership is open to editors of academic journals and others interested in publication ethics.

- **Still very journal-oriented**
- **Misses computer science representation (very biomed-biased)**
- **Needs to include more specific guidelines, e.g., for conferences**
- **...may be one of you could change it in the mid-term future?😊**

## Several levels / facets

### **Deliberate misconduct**

fabrication, falsification, or plagiarism in proposing, performing, or reviewing research, or in reporting research results (ORI definition)

### **Questionable Research Practice (QRP)**

actions that do not strictly adhere to commonly accepted research practices, or sloppy science that erodes confidence in the integrity of the findings (thanks to Springer Nature colleagues for this definition)

### **Honest error**

honest errors or differences of opinions do not constitute misconduct


# Misconduct in Science

**Plagiarism:** use of someone's else words (ideas, pictures, ...) without giving proper credit

# iThenticate - a tool for plagiarism detection

Available to professional publishers (paid version)

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**Abstract.** Accepting too many software change requests could contribute to expense and delay in project delivery. On the other hand rejecting the changes may increase customer dissatisfaction. Software project management might use a reliable estimation on potential impacted artifacts to decide whether to accept or reject the changes. In software development phase, an assumption that all classes in the class artifact are completely developed is impractical compared to software maintenance phase. This is due to some classes in the class artifact are still under development or partially developed. This paper extends our previous works on developing an impact analysis approach that uses both static and dynamic analysis techniques. Here, we have automated the approach and we call it a CIAT (Change Impact Analysis Tool). The significant achievements of the tool are demonstrated through an extensive experimental validation using several case studies. The experimental analysis shows improvement in the accuracy over current impact analysis results.

**Keywords:** Software development, change impact analysis, impact analysis.

## 1 Introduction

It is important to manage the changes in the software to meet the evolving needs of the customer and hence, satisfy them [1]. Accepting too many changes causes delay in the completion and it incurs additional cost. Rejecting the changes may cause dissatisfaction to the customers. Thus, it is important for the software project manager to make effective decisions when managing the changes during software development. One type of information that helps to make the decision is the prediction of the number of classes affected by the changes. This prediction can be done by performing change impact analysis [2].

## Match Overview

1	<b>Publications</b> 1180 words Basri, Sufyan; Kama, Nazri and Ibrahim, Roslina. "A Novel Effort Estimation Approach for Requirement Changes dur..."	27%
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## What to do if: your paper has been plagiarized

### Example: suspected plagiarism in a published manuscript

1. Inform the editor of the journal about suspected plagiarism
2. Make sure you get a confirmation “we are on this” in a couple of weeks
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4. If the investigation by the publisher confirms your findings, the paper will be retracted

See COPE Flowcharts and docs for more:

<https://publicationethics.org/resources/flowcharts>

# Misconduct in Science

## Prior Publication And Multiple Submissions

ISWC 2017 will not accept research papers that, at the time of submission, are under review for or have already been published in or accepted for publication in a journal or another conference.

The conference organisers may share information on submissions with other venues to ensure that this rule is not violated.

## duplicate or redundant publication

- **submit** the same paper to more than one journal/conference (can lead to retraction + blacklisting)
- having both **published will definitely lead to retraction**

workshop->conference->journal extensions are OK as long as there is clear citation of the prev work + statement on increment: what's new?



## How to publish an extended version of your paper

Depends on each journal, conference publisher.

### LNCS and other CS proceedings series in Springer:

- “must contain at least 30% of new material and acknowledgement of the original publication”

AND

- “explicitly state the differences wrt the conference publication”

**this provides enough information for the reviewers to make the appropriate judgement**

# More examples of misconduct

- **attempts to manipulate peer review by both authors and reviewers**
  - suggest positively biased reviewers
  - reviewers are negatively biased but do not declare conflict of interest
- **ethical issues related to authorship**
- **Conflict of Interest:** avoid personal issues, e.g., during review
  - Paper of a friend or a colleague
  - Paper of a competing group

## Real example: the biggest fraud in medical history?

- 1998, the Lancet published a paper by Andrew Wakefield et al. The paper claimed there was a link between the combined MMR vaccine and autism in children.
- The paper received extensive media coverage and in the years that followed, MMR vaccination rates plummeted. Widespread measles outbreaks in the UK, US and Canada.
- Almost immediately afterward, epidemiological studies were conducted and published, refuting the posited link between MMR vaccination and autism.
  - also, the results could not be replicated
  - Wakefield has failed to disclose a financial conflict of interest: he had been paid by lawyers acting on behalf of families to sue the manufacturers of the MMR vaccine
- Twelve years after the publication, the Lancet finally published a full retraction of the paper, prompted by an investigation of the General Medical Council (GMC)
  - ...but a lot of damage has been already done
- The final episode in the saga is the revelation that Wakefield *et al.*<sup>[1]</sup> were guilty of deliberate fraud (they picked and chose data that suited their case; they falsified facts

**Thanks to colleagues from Springer Nature for this case! Also:**

The MMR vaccine and autism: Sensation, refutation, retraction, and fraud: T. S. Sathyanarayana Rao and C. Andrade

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3136032/>

## Help for writing papers – useful resources


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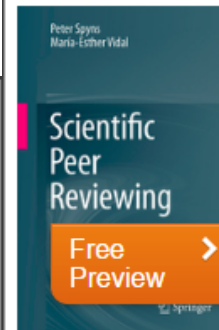


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# Overleaf: collaborative writing in LaTeX

## LaTeX, Evolved

The easy to use, online, collaborative LaTeX editor

The screenshot displays the Overleaf LaTeX editor interface. The top navigation bar includes 'Menu', 'The Universe' (document title), and utility icons for 'Review', 'Share', 'Submit', 'History', and 'Chat'. Below this, a toolbar offers 'Source' and 'Rich Text' editing modes, a 'Recompile' button, and file management icons. The left sidebar shows a file explorer with folders 'figures' and 'sections', and files 'universe.jpg', 'main.tex', and 'references.bib'. The main editor area shows the source code for 'main.tex', which includes LaTeX commands for document class, packages, title, author, date, and content. The right pane shows a preview of the compiled document, featuring the title 'The Universe', the date 'May 2019', a section titled '1 Introduction', and a paragraph of text. A small image of a galaxy is included in the preview, with a caption 'Figure 1: The Universe' below it. A large 'Get started now' button is overlaid at the bottom center of the interface.

```

1 \documentclass{article}
2 \usepackage[utf8]{inputenc}
3
4 \title{The Universe}
5 \author{}
6 \date{May 2019}
7
8 \usepackage{natbib}
9 \usepackage{graphicx}
10
11 \begin{document}
12
13 \maketitle
14
15 \section{Introduction}
16 There is a theory which states that if ever anyone discovers exactly
17 what the Universe is for and why it is here, it will instantly
18 disappear and be replaced by something even more bizarre and
19 inexplicable.
20 There is another theory which states that this has already happened.
21
22 \begin{figure}[hi]
23 \centering
24 \includegraphics[angle=1.7]{figures/universe.jpg}

```

The Universe

May 2019

### 1 Introduction

There is a theory which states that if ever anyone discovers exactly what the Universe is for and why it is here, it will instantly disappear and be replaced by something even more bizarre and inexplicable. There is another theory which states that this has already happened.




Figure 1: The Universe

[Get started now](#)



# Reference management software

Check where it can import references from:

Google Scholar, Web of Science, DBLP, Scopus, ...

Check if it supports format you need (Harvard, etc)

sth I used in the past (note, I normally use BibTeX!)

Mendeley, Zotero, JabRef, Bibsonomy, BibDesk, CiteULike, RefWorks, ReadCube, Papers

[https://en.wikipedia.org/wiki/Comparison\\_of\\_reference\\_management\\_software](https://en.wikipedia.org/wiki/Comparison_of_reference_management_software)

- web-based, referring to applications that may be installed on a web server (usually requiring MySQL or another database and PHP, Perl, Python, or some other language for web application)
- centrally-hosted website

Software	Developer	First public release	Latest stable version	Cost (USD)	Free software	License
Algalon	Algalon developers	2005-01	2012-01-18 (2.2)	Free	Yes	GPL
Bebop	ALAri institute	2007-11-08	2009-11-10 (1.1)	Free	Yes	BSD
BibBase	Christian Fritz	2005	2013-07 (v3)	Free	No	proprietary
BibDesk	BibDesk developers	2002-04	2014-08-11 (1.6.3)	Free	Yes	BSD
Biblicape	CG Information	1997	2012-04-01 (9.0.8.8)	US\$79-299 <sup>[1]</sup>	No	proprietary
BibSonomy	University of Kassel	2005-01	2013-10-29 (2.0.48)	Free	Yes	GPL, LGPL <sup>[2]</sup>
Bibus	Bibus developers	2004-05-03	2009-10 (1.5.0)	Free	Yes	GPL
Bookends	Sonny Software	1988 (Mac) / 1983 (Apple II+)	2014-07-12 (12.2.1) <sup>[3]</sup>	US\$99 <sup>[1]</sup>	No	proprietary
Citavi	Swiss Academic Software	2008-02-13	2015-04-21 (5.0)	US\$79-219 / Free for projects up to 100 references	No	proprietary
CiteULike	Oversity Limited	2004-11	?	Free	No	proprietary <sup>[2]</sup>
colwiz	colwiz Ltd	2011	May 2014	Free / Online storage free up to 3 GB / Additional storage space available	No	proprietary
Docoar	Otto-von-Guericke University Magdeburg and University of California, Berkeley	2009-05-11	2014-05-21 (1.1)	Free	Yes	GPL
EndNote	Thomson Reuters	1988	2014-09-30 (X7.2)	US\$299.95 <sup>[1]</sup>	No	proprietary
JabRef	JabRef developers	2003-11-29	2014-03-11 (2.10)	Free	Yes	GPL
KBibTeX	KBibTeX developers	2005-08	2014-05-19 (0.5.1)	Free	Yes	GPL
Mendeley	Elsevier	2008-08	2014-09-23 (1.12.2)	Free / Online storage free up to 2 GB / Additional storage space available	No	proprietary (OS API clients exist)
Paperpile	Stefan Washietl, Gregory Jordan, Andreas Gruber	2013	(constantly updated online)	US\$2.99/month for academics, 9.99/month otherwise	No	proprietary
Papers	Springer	2007	2014-10-13 (3.2.3)	US\$79 <sup>[1]</sup>	No	proprietary
Pyblogger	pyblogger developers	1998-10-30 (0.2)	2014-11-30 (1.2.17)	Free	Yes	GPL
Qiqqa	Qiqqa	2010-04	2014-08 (v65)	Free and Premium versions	No	proprietary
ReadCube	Labtiva	2011-10	2014-05 (v2.0.10805)	Free desktop & mobile app / Cloud Storage \$5/month, \$45/year	No	proprietary
refbase	refbase developers	2003-05-03	2014-02-28 (0.9.6)	Free	Yes	GPL
RefDB	refdb developers	2001-04-25	2007-11-05 (0.9.9)	Free	Yes	GPL
Reference Manager	Thomson Reuters	1984	2010 (12.0.3)	US\$299.95 <sup>[1]</sup>	No	proprietary
Referencor	Referencor developers	?	2014-02-27 (1.2.2)	Free	Yes	GPL
RefWorks	RefWorks / ProQuest	2001	2013	US\$100 per year	No	proprietary
SciRef	Scientific Programs	2012	2012-11-20 (1.0)	US\$38.90 / Free trial version	No	proprietary
Sente	Third Street Software, Inc.	2004	2013 (6.6)	US\$30-50 <sup>[1]</sup> / Free for libraries up to 100 refs	No	proprietary
Wikindx	Mark Grimshaw	2004-02	2013-08 (4.2.2)	Free	Yes	GPL
WizFolio	WizPatent	2008-06	2011-01 (Avatara)	US\$25 / Free Basic version	No	proprietary
Zotero	Roy Rosenzweig Center for History and New Media at GMU	2006-10-05	2015-04-08 (4.0.28.4) <sup>[1]</sup>	Free / Online storage free up to 300 MB / Additional storage space available	Yes	AGPL

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## Style in citing two authors in the same sentence

I have a sentence with two concepts and two quotations from two different authors. It goes like this Some is true because of concept one, that is "quotation one", and concept two, that is ...

publishing

citations

writing

asked Mar 3 at 1:42



capitano.nemo

6 1

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## Is the new ACM 2012 taxonomy usable/in use?

I've wasted about an hour trying to figure out how I'm supposed to categorise an ACM article using the new 2012 taxonomy here, and how I'm supposed to represent those categories in my article. On the ...

publishing

computer-science

latex

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asked Dec 31 '13 at 16:42



badroit

6,807 17 52

7

votes

0

answers

217 views

## Mathematics journal publishing colour diagrams for free

I have a paper with colour diagrams that I wouldn't like to convert to grayscale for publication. I think colour greatly helps to understand some complicated patterns. I know most journals accept ...

publishing

mathematics

asked Mar 4 at 22:10



Fernando Muro

136 3

5

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answers

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## What arXiv licenses are compatible with APS publishing?

I'm having some trouble understanding exactly what the APS transfer of copyright agreement does and does not permit, and I was wondering whether someone here may have a clearer insight or previous ...

publishing

copyright

arxiv

open-access

creative-commons

asked Feb 24 at 19:07



episanty

863 3 16

# Reference slides – additional info

# Computer Science proceedings series with Springer



- Volume editor guidelines (for the conference organizers): <https://www.springer.com/gp/computer-science/lncs/editor-guidelines-for-springer-proceedings>
- Information for authors: <https://www.springer.com/gp/computer-science/lncs/conference-proceedings-guidelines> - including templates for Word and LaTeX
- Frequently asked questions (FAQ): <https://www.springer.com/gp/computer-science/lncs/faq>
- Indexing: Conference Proceedings Citation Index (CPCI), part of Clarivate Analytics' Web of Science; EI Engineering Index (Compendex and Inspec databases); ACM Digital Library; DBLP; Google Scholar; IO-Port; MathSciNet; Scopus; Zentralblatt MATH
- Publication is free of charge in the subscription mode and for a fee in the Open Access mode

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1. <https://cacm.acm.org/magazines/2015/2/182651-do-it-yourself-textbook-publishing/abstract>
2. <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4473415/>
3. <https://scholarlykitchen.sspnet.org/2018/02/06/focusing-value-102-things-journal-publishers-2018-update/>
4. Publishing technologies, etc:  
<https://www.springernature.com/gp/policies/publishing-policies>

## VIEWPOINT

# Do-It-Yourself Textbook Publishing

By Armando Fox, David Patterson

Communications of the ACM, Vol. 58 No. 2, Pages 40-43

10.1145/2656333

[Ann R Coll Surg Engl](#). 2015 Mar; 97(2): 89–91.

Published online 2015 Mar. doi: [10.1308/003588414X14055925061397](https://doi.org/10.1308/003588414X14055925061397)

## What are Journals for?

[SP Rallison](#)<sup>✉</sup>

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# Conference rankings

- Google Scholar citation rankings:  
[https://scholar.google.de/citations?view\\_op=top\\_venues&hl=en&vq=eng\\_dataminin\\_ganalysis](https://scholar.google.de/citations?view_op=top_venues&hl=en&vq=eng_dataminin_ganalysis)
- ERA CORE – Australian Conference Rank: <http://portal.core.edu.au/conf-ranks/>
- GII-GRIN Computer Science and Computer Engineering Conference Rating:  
<http://valutazione.unibas.it/cs-conference-rating/conferenceRating.jsf> - Italy
- QUALIS conference rank: <http://www.cesar.edu.br/qualis/> - Brazil
- Chinese Computing Federation (CCF) Ranking List

# What is a data citation?

- *A reference made to data in the same way as researchers routinely provide a bibliographic reference to journal articles and books*
- When public datasets have Digital Object Identifiers (DOIs), **very similar to citing a journal article**
- Include the minimum information recommended by DataCite and follow Nature style i.e.
  - authors, title, publisher (repository name), identifier, year

Creator (author)

Title

77. Di Stefano, B., Collombet, S. & Graf, T. Time-resolved gene expression profiling during reprogramming of C/EBP $\alpha$ -pulsed B cells into iPS cells. *figshare* [https://dx.doi.org/10.6084/m9.figshare.939408\\_D1](https://dx.doi.org/10.6084/m9.figshare.939408_D1) (2014).

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