

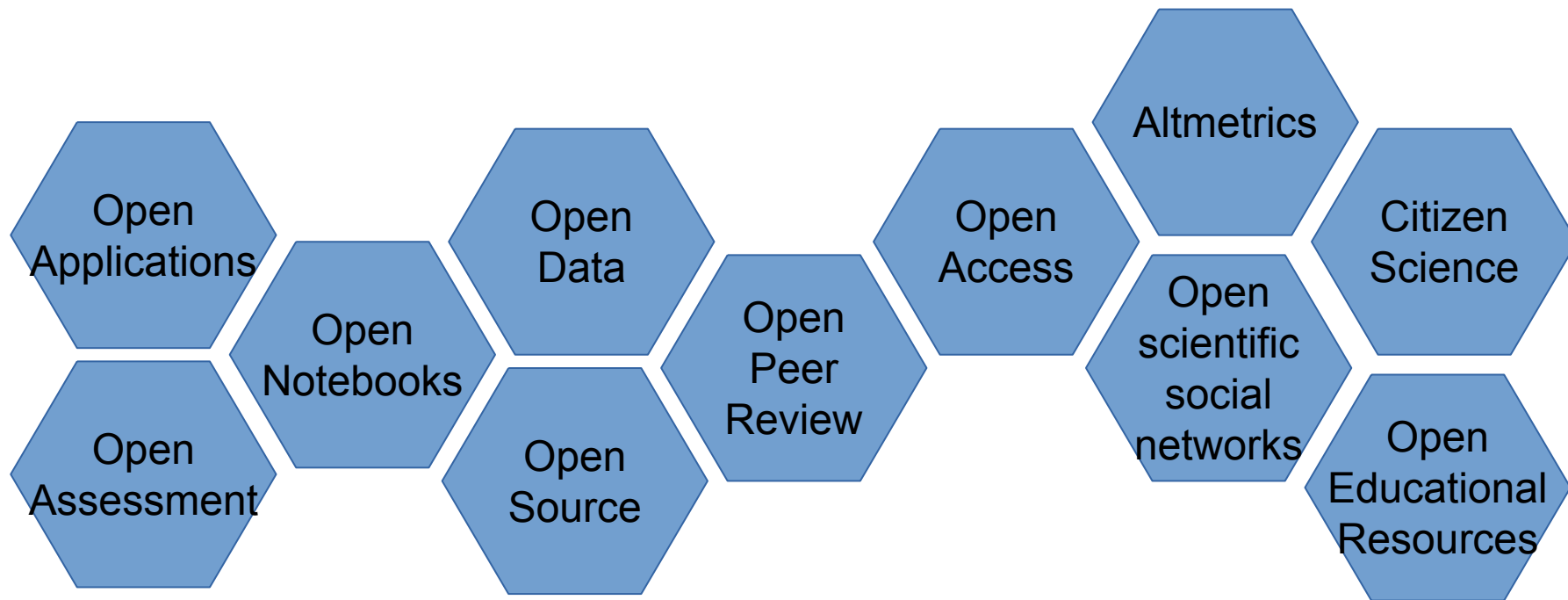
Open Research Strategies and Tools in the NIME Community

3 June 2019, Porto Alegre

Alexander Refsum Jensenius, University of Oslo
Andrew McPherson, Queen Mary University of London
Anna Xambó, NTNU Norwegian University of Science and Technology
Dan Overholt, Aalborg University Copenhagen
Guillaume Pellerin, IRCAM
Ivica Ico Bukvic, Virginia Tech
Rebecca Fiebrink, Goldsmiths, University of London
Rodrigo Schramm, Federal University of Rio Grande do Sul

Open Science \approx Open Research

~~Open Science~~ ~ Open Research



?

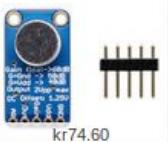
Ideological

Free as in speech (libre) - not free as in beer (gratis)

Practical

Avoid obstacles - collaboration, etc.

Replicability



kr74.60



kr77.60



kr65.30



kr70.40



kr137

News > Science

Study reveals that a lot of psychology research really is just 'psycho-babble'

Of 100 studies, more than half could not be reproduced using the same method

Steve Connor | @SteveAConnor | Thursday 27 August 2015 19:00 |

49 comments



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Prestigious Science Journals Struggle to Reach Even Average Reliability



Björn Brembs*

Institute of Zoology—Neurogenetics, Universität Regensburg, Regensburg, Germany

In which journal a scientist publishes is considered one of the most crucial factors determining their career. The underlying common assumption is that only the best scientists manage to publish in a highly selective tier of the most prestigious journals. However, data from several lines of evidence suggest that the methodological quality of scientific experiments does not increase with increasing rank of the journal. On the contrary, an accumulating body of evidence suggests the inverse: methodological quality and, consequently, reliability of published research works in several fields may be *decreasing* with increasing journal rank. The data supporting these conclusions circumvent confounding factors such as increased readership and scrutiny for these journals, focusing instead on quantifiable indicators of methodological soundness in the published literature, relying on, in part, semi-automated data extraction from often thousands of publications at a time. With the accumulating evidence over the last decade grew the realization that the very existence of scholarly journals, due to their inherent hierarchy, constitutes one of the major threats to publicly funded science: hiring, promoting and funding scientists who publish unreliable science eventually erodes public trust in science.

Economical

Can't Disrupt This: Elsevier and the 25.2 Billion Dollar A Year Academic Publishing Business



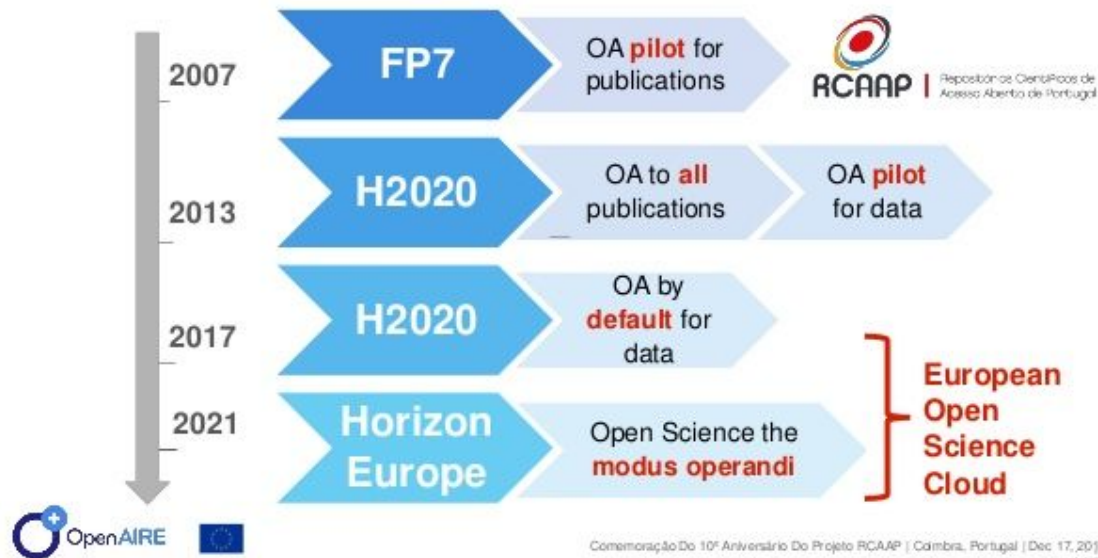
Jason Schmitt [Follow](#)

Dec 22, 2015 · 9 min read

Twenty years ago ([December 18, 1995](#)), *Forbes* predicted academic publisher Elsevier's relevancy and life in the digital age to be short lived. In an article entitled "The internet's first victim," journalist John Hayes highlights the technological imperative coming toward the academic publisher's profit margin with the growing internet culture and said, "Cost-cutting librarians and computer-literate professors are bypassing academic journals—bad news for Elsevier." After publication of the article, investors seemed to heed Hayes's rationale for Elsevier's impending demise. Elsevier stock fell 7% in two days to \$26 a share.

Political

A glimpse of Open Science in the European Union





The aim of the workshop is to:

1. Agree on some goals as a community.
2. Showcase best practice examples as a motivation for others.
3. Promote existing solutions for NIME researcher's needs.
4. Consider developing new solutions, where needed.
5. Agree on a set of recommendations for future conferences, to be piloted in 2020.

<http://tiny.cc/open-nime>

Open Publication perspectives

December 20, 2014 by [Steering Committee](#)

Archive of NIME Proceedings

This page contains a list of all publications that have been published at the NIME conferences.

- **Peer review:** All papers have been peer-reviewed (most often by three international experts), and only papers that were presented at the conferences (as presentation, poster or demo) are included.
- **Open access:** NIME papers are open access (gold), and the copyright remains with the author(s). This also means that NIME papers can be self-archived without an embargo. The licensing of NIME papers has been changing over the years, so please check the exact license on the bottom left of the first page of each publication. From 2016 the license used is [Creative Commons Attribution 4.0 International License \(CC BY 4.0\)](#).
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NIME 2019



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Proceedings of the International Conference on New Interfaces for Musical Expression

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June 1, 2018 (v1)

Conference paper

Open Access

View

Multi-Touch Enhanced Visual Audio-Morphing

Engeln, Lars; Kammer, Dietrich; Brandt, Leon; Groh, Rainer;

Many digital interfaces for audio effects still resemble racks and cases of their hardware counterparts. For instance, DSP-algorithms are often adjusted via direct value input, sliders, or knobs. While recent research has started to experiment with the capabilities offered by modern interfaces, ther

Uploaded on July 1, 2018

June 1, 2018 (v1)

Conference paper

Open Access

View

The Phone with the Flow: Combining Touch + Optical Flow in Mobile Instruments

Arslan, Cagan; Berthaut, Florent; Martinet, Jean; Bilasco, Ioan Marius; Grisoni, Laurent;

Mobile devices have been a promising platform for musical performance thanks to the various sensors readily available on board. In particular, mobile cameras can provide rich input as they can capture a wide variety of user gestures or environment dynamics. However, this raw camera input only provid

Uploaded on July 1, 2018

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Proceedings of the International Conference on New Interfaces for Musical Expression

The International Conference on New Interfaces for Musical Expression gathers researchers and musicians from all over the world to share their knowledge and late-breaking work on new musical interface design. The conference started out as a workshop at the Conference on Human Factors in Computing Systems (CHI) in 2001. Since then, an annual series of international conferences have been held around the world, hosted by research groups dedicated to interface design, human-computer interaction, and computer music.

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Committee on Publication Ethics (COPE), the Directory of Open Access Journals (DOAJ), the Open Access Scholarly Publishers Association (OASPA), and the World Association of Medical Editors (WAME) are scholarly organizations. All have seen increases in the number, and range in quality, of membership applications. Our organizations have collaborated to identify Principles of Transparency & Best Practice for Scholarly Publications. These principles form the basis of the criteria by which suitability for membership is assessed by COPE, DOAJ and OASPA, and part of the criteria on which membership applications are evaluated by WAME.

In the event that a member organization is found to have violated these best practices, or other specific requirements of the organization, OASPA/DOAJ/COPE/WAME shall in the first instance try to work with them in order to address any concerns that have been raised. In the event that the member organization is unable or unwilling to address these concerns, their membership in the organization may be suspended or terminated. All of the member organizations have procedures for dealing with concerns raised about member journals.

WEBSITE	NAME OF JOURNAL	PEER REVIEW PROCESS	OWNERSHIP AND MANAGEMENT	ALLEGATIONS OF RESEARCH MISCONDUCT	PUBLICATION ETHICS	PUBLISHING SCHEDULE	ACCESS
 <p>A Journal's website, including the text that it contains, shall demonstrate that care has been taken to ensure high ethical and professional standards. It should:</p> <ul style="list-style-type: none"> - contain an "Aims & Scope" statement and the readership clearly defined. - include a statement on what a journal will consider for publication including authorship criteria e.g. not multiple submissions, red unduly publications) - ISSN displayed clearly (separately for print and electronic). <p>It must not:</p> <ul style="list-style-type: none"> - contain information that might mislead readers or authors. - attempt to mimic another journal/publisher's site. 	 <p>The Journal name shall be unique. It must not:</p> <ul style="list-style-type: none"> - be one that is easily confused with another journal. - mislead potential authors and readers about the Journal's origin or association with other journals. 	 <p>Journal content must be clearly marked as whether peer reviewed or not. Peer review is defined as obtaining advice on individual manuscripts from reviewers expert in the field who are not part of the journal's editorial staff.</p> <p>The journal's website should:</p> <ul style="list-style-type: none"> - clearly describe this process, as well as any policies related to the journal's peer review procedures including the method of peer review used. <p>The journal's website should not:</p> <ul style="list-style-type: none"> - guarantee manuscript acceptance or very short peer review times. 	 <p>Information about the ownership and/or management of a journal shall be clearly indicated on the journal's website.</p> <p>Publishers should not:</p> <ul style="list-style-type: none"> - use organizational or journal names that would mislead potential authors and editors about the nature of the journal's owner. 	 <p>Publishers and editors shall take reasonable steps to identify and prevent the publication of papers where research misconduct has occurred. This includes but not limited to:</p> <ul style="list-style-type: none"> - plagiarism - citation - manipulation - data falsification/fabrication <p>In no case shall a journal or its editors encourage such misconduct, or knowingly allow such misconduct to take place. In the event that a journal's publisher or editors are made aware of any allegation of research misconduct relating to a published article in their journal, the publisher or editor shall follow COPE's guidelines (or equivalent).</p>	 <p>A journal should have policies on publishing ethics. These should be clearly visible on its website, and should refer to:</p> <ul style="list-style-type: none"> - journal policies on authorship and contribution - how the journal will handle complaints and appeals - journal policies on conflicts of interest/competing interests - journal policies on data sharing and reproducibility - journal's policy on ethical oversight - journal's policy on intellectual property - journal's options for post-publication discussions and corrections. 	 <p>The periodicity at which a journal publishes shall be clearly indicated.</p>	 <p>The way(s) in which the journal and individual articles are available to readers and whether there are associated subscription or pay per view fees shall be stated.</p>
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NIME template

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...

Alternate ACM SIG Proceedings Paper in LaTeX Format*

[Extended Abstract][†]

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ABSTRACT

This paper provides a sample of a \LaTeX document which conforms, somewhat loosely, to the formatting guidelines for ACM SIG Proceedings. It is an *alternate* style which produces a *tighter-looking* paper and was designed in response to concerns expressed, by authors, over page-budgets. It complements the document *Author's (Alternate) Guide to Preparing ACM SIG Proceedings Using \LaTeX 2_ε*, and *Bib \TeX* . This source file has been written with the intention of being compiled under \LaTeX 2_ε, and Bib \TeX .

The developers have tried to include every imaginable sort of “bells and whistles”, such as a subtitle, footnotes on title, subtitle and authors, as well as in the text, and every optional component (e.g. Acknowledgments, Additional Authors, Appendices), not to mention examples of equations, theorems, tables and figures.

To make best use of this sample document, run it through \LaTeX and Bib \TeX , and compare this source code with the printed output produced by the dvi file. A compiled PDF

version is available on the web page to help you with the ‘look and feel’.

Categories and Subject Descriptors

H.4 [Information Systems Applications]: Miscellaneous;
D.2.8 [Software Engineering]: Metrics—complexity measures, performance measures

General Terms

Theory

Keywords

ACM proceedings, \LaTeX , text tagging

1. INTRODUCTION

The *proceedings* are the records of a conference. ACM seeks to give these conference by-products a uniform, high-quality appearance. To do this, ACM has some rigid requirements for the format of the proceedings documents: there is a specified format (balanced double columns), a specified set of fonts (Arial or Helvetica and Times Roman) in certain specified sizes (for instance, 9 point for body copy), a specified live area (18 × 23.5 cm [7" × 9.25"] centered on the page, specified size of margins (1.9 cm [0.75"] top, (2.54 cm [1"] bottom and (1.9 cm [0.75"] left and right; specified column width (8.45 cm [3.33"] and gutter size (.83 cm [.33"]).

The good news is, with only a handful of manual settings¹, the \LaTeX document class file handles all of this for you.

The remainder of this document is concerned with showing, in the context of an “actual” document, the \LaTeX commands specifically available for denoting the structure of a proceedings paper, rather than with giving rigorous descriptions or explanations of such commands.

¹Two of these, the `\numberofauthors` and `\alignauthor` commands, you have already used; another, `\bal-`

*[Produces the permission block, and copyright information]. For use with SIG-ALTERNATE.CLS. Supported by ACM.

[†]A full version of this paper is available as *Author's Guide to Preparing ACM SIG Proceedings Using \LaTeX 2_ε*, and *Bib \TeX* at www.acm.org/eaddress.htm

[‡]Dr. Trovato insisted his name be first.

[§]The secretary discovers any knowledge of this author's actions.

[¶]This author is the one who did all the really hard work.

Open Peer Review

Challenges:

- Double-blind vs double-open
- Multiple layers of peer review adds complexity
- Compatibility with current praxis

“Lean” publishing



LaTeX

Exploring the Myo Controller for Sonic Microinteraction



Alexander Refsum Jensenius (University of Oslo)



V.e.g.sanchez



Agata.zelechowska



Kariannebjerkstrand



Add Collaborator

Manage

Abstract

This paper explores sonic microinteraction using muscle sensing through the Myo armband. The first part presents results from a small series of experiments aimed at finding the baseline micromotion and muscle activation data of people being at rest or performing short/small actions. The second part presents the prototype instrument MicroMyo, built around the concept of making sound with little motion. The instrument plays with the convention that inputting more energy into an instrument results in more sound. MicroMyo, on the other hand, is built so that the less you move, the more it



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author(s): [Raul Saldarriaga](#)

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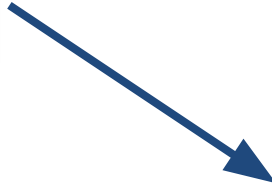
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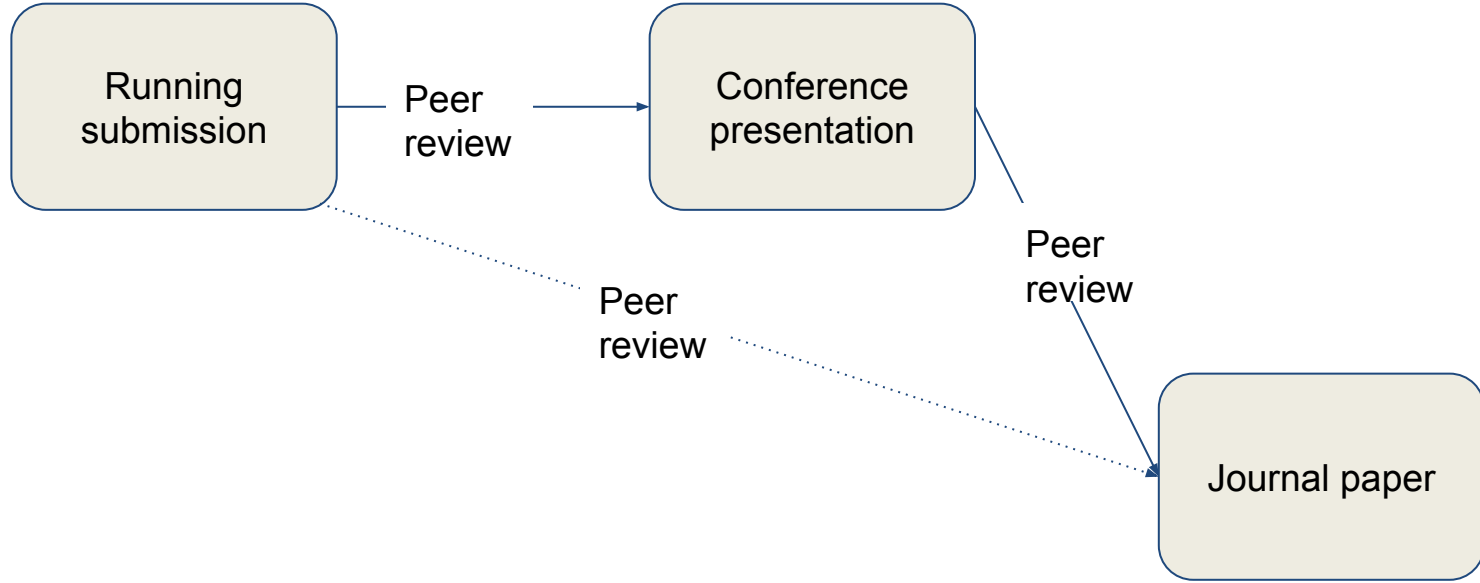
CURRENT ISSUE

ISSUE 17

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[Close to Innovation in 2014: the Research](#)





Challenges

Need to change - Want to be at the forefront
Careers are dependent on NIME -> “Backwards compatible”
Artistic vs scientific differences



<https://www.helsinki-initiative.org/en>



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Helsinki Initiative on Multilingualism in Scholarly Communication

Research is international. That's the way we like it! Multilingualism keeps locally relevant research alive. Protect it! Disseminating research results in your own language creates impact. Endorse it! It is vital to interact with society and share knowledge beyond academia. Promote it! Infrastructure of scholarly communication in national languages is fragile. Don't lose it!

1. Support dissemination of research results for the full benefit of the society.

- Make sure researchers are merited for disseminating research results beyond academia and for interacting with heritage, culture, and society.
- Make sure equal access to researched knowledge is provided in a variety of languages.

2. Protect national infrastructures for publishing locally relevant research.

- Make sure not-for-profit journals and book publishers have both sufficient resources and the support needed to maintain high standards of quality control and research integrity.
- Make sure national journals and book publishers are safeguarded in their transition to open access.

3. Promote language diversity in research assessment, evaluation, and funding systems.

- Make sure that in the process of expert-based evaluation, high quality research is valued regardless of the publishing language or publication channel.
- Make sure that when metrics-based systems are utilized, journal and book publications in all languages are adequately taken into account.

1. How can we improve the NIME publication template?
2. Should we think anew about the reviewing process (open review?)
3. Should we open for a “lean publishing” model?
4. How do we handle the international nature of NIME?

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Open Research Part 2

1. What are some best practice Open NIME examples?
2. What tools/solutions/systems should be promoted at NIME?
3. Who should do the job?

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