

EASE Conference

Parallel session 1A: Saturday 11 June, 10.30-12.30

Detecting misconduct: Screening

Moderated by Rachael Lammey, Crossref, Oxford, UK

By facilitating the peer review process, editors have always been at the forefront of screening manuscripts for accuracy, relevance and quality. However, as the volume of papers grows, tools to write manuscripts, search billions of web pages, create images and generate data become more widespread they create a more complex environment for editors to operate in. This session will consider three types of content – text, images and statistics and look at how they are created and how they can be screened, using specific tools or by building knowledge on what factors to look out for when viewing images or evaluating statistics. Having these tools to hand and knowing how to use them helps ensure the integrity of journal content and can also help educate authors on the best practice they should be following when preparing their manuscripts for publication.

Programme

4 talks of c.20 minutes with c.5 minutes for questions, finished with short panel discussion (c.15 minutes) to close

1. Text-screening. An Update on the Crossref Similarity Check service (Rachael Lammey)

Crossref Similarity Check (previously CrossCheck) provides journal editors and staff with a database and a tool – iThenticate – to help them screen documents for originality. Since the last EASE Conference, similarity check has grown, changed its name and more changes are afoot. These changes are in response to community feedback on what else they need the system to do to help them more effectively screen manuscripts.

2. Use of Similarity Checking on the INASP Journals Online Project: a pilot study (Sioux Cumming)

In an effort to help editors improve the quality of the content included in their journals on the Journals Online Project, INASP purchased access to the Similarity Check software offered by Crossref so that the editors would have free access. This presentation reports on the level of uptake so far, the results being obtained from the service and how it has affected the workflows for the editors using the service.

3. Statistical Review – what you need to know (Chris Palmer)

The instances of outright data falsification are, in the scheme of things, not that common which is not to downplay their utmost seriousness when they do occur. The bigger by far problem with statistics misuse in scientific papers is rooted in ignorance rather than malicious intent. Two solutions to be discussed include (i) better statistical awareness and education of editors and peer reviewers; and (ii) increased use by journals of statistical reviewers.

4. How to deal with and screen digital images during the production process (Sun Huh)

In the Internet age, the production of digital images became more important than the production of print images. If editors understand how to present good quality images in online publications and how to recognise and prevent falsified images, it will benefit their authors and readers. This presentation will deal with: the definition of resolution, rasterised images and vector images. It will also look at how to communicate the how image files should be prepared in the instructions to author section, what programs are available to fix image resolution; and finally how to screen digital images to check for falsification/manipulation.

Speaker bios

Sioux Cumming

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Sioux has worked on and managed INASP's [Journals Online](#) project since 2003. During this time she has helped establish and maintain eight JOL platforms, which together host over 350 journals. Her role involves identifying new journals for the project; recording and publishing usage statistics; working with the editors of the journals to load new issues; and keeping the information about the journals as up to date as possible. She has also overseen – and is continuing to oversee - the migration of several JOL platforms to local management and the development of new platforms with Ubiquity Press. Sioux runs regular training courses for journal editors in key issues such as peer review, journal quality and copyright. She has also been instrumental in bringing international standards and initiatives such as DOIs, eISSNs, the anti-plagiarism software CrossCheck, article-level metrics and Kudos to the journals. Prior to joining INASP, Sioux was a lecturer in Geography at the University of Zimbabwe for 23 years where she was also the editor and manager of a journal for many years.

Chris Palmer

Chris Palmer PhD, formerly Director, University of Cambridge's Centre for Applied Medical Statistics (CAMS, 1996-2013); Deputy/Acting Editor Statistics in Medicine (1996-2000); Lancet statistical reviewer (1993-present).

Sun Huh

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Dr. Sun Huh is an MD, and holds an MSc and PhD in Parasitology from Seoul National University. He is Deputy Editor of the Korean Journal of Medical Education and Editor of the Journal of Educational Evaluation for Health Professions. He also serves as Chair for the Committee on Planning and Administration (March 2014–present) at the Korean Council of Science Editors, and prior to this was Chair for the Committee on Education and Training (Sep. 2011–Feb. 2014). He also served as a board member for the Korean Association of Medical Journal Editors (1996-2011) where he was dedicated to establishing medical databases for Korean medical journals such as KoreaMed, KoMCI, and Synapse. He managed the medical education system at Hallym University's College of Medicine, where he is currently a Professor of Parasitology and is working on parasite genome sequencing. ORCID iD: <http://orcid.org/0000-0002-8559-8640>

Rachael Lammey

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Rachel Lammey has been with CrossRef since March 2012. Formerly a Product Manager on Crossref Similarity Check, CrossMark and other CrossRef tools for publishers, she now works on the Crossref Member & Community Outreach team, helping work with new Crossref audiences. She previously spent six years

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working in journals publishing at Taylor & Francis. She is a member of the EASE Council, on the Editorial Board of Learned Publishing and on the Education and Training Committee for the Council of Asian Science Editors (CASE). She studied English Literature at the University of St Andrews and Publishing Studies at the University of Stirling. ORCID iD: <http://orcid.org/0000-0001-5800-1434>.
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