

ease

events

# EASE Autumn Symposium

AI and digital tools  
in scholarly publishing

Overview of symposium materials

# The EASE Autumn Symposium on AI and digital tools in scholarly publishing: a brief overview

The event took place on Tuesday 26 November 2024 on the Zoom platform. The symposium was attended by over 800 delegates, including EASE members and professionals from across the scholarly publishing community.

Participants joined leading experts in the publishing industry to hear about the latest innovations in the use of artificial intelligence and digital tools. The event included a full day of talks and presentations on topics of high relevance to authors, researchers, journal editors and peer reviewers.

Here is a brief overview of some of the sessions held at the symposium.

## Satellite session: AI and digital tools in scholarly publishing: the Asian perspective

### Speakers:

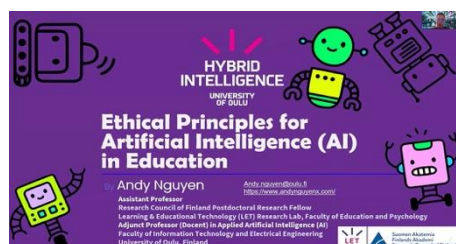
**Kihong Kim** - Editor-in-Chief of Science Editing, Ajou University, Republic of Korea;

**Cheol-Heui Yun** - Chair of Publication Ethics Committee, Seoul National Univ./Dept Agricultural B, Republic of Korea;

**Andy Nguyen** - Assistant Professor, Oulu University, Finland.

### Moderator:

**Hiep-Hung Pham** - Research Director, Thanh Do University, Vietnam.



In this session, speakers concluded that generative artificial intelligence (AI) has the potential to transform many aspects of scholarly publishing.

Authors, peer reviewers, and editors might use AI in a variety of ways, and those uses might augment their existing work or might instead be intended to replace it.

**Generative AI (e.g. ChatGPT)**

- A type of AI that uses ML techniques to identify patterns in large data sets, and uses them to generate new text, image, music, code, etc.
- It can be used to
  - Answer questions
  - Generate text
  - Create summaries, abstracts, keywords
  - Assist literature search
  - Write grant applications
  - Simplify language, methods, tables, formulas
  - Translate
  - Provide new research questions
  - Provide personalized suggestions
  - Detect and correct errors
  - Generate code, images, formulas, tables, etc
  - Analyze metadata
  - Detect plagiarism
  - etc



«We believe that generative AI may pose a threat to the goals that animate our work but could also be valuable for achieving those goals». – Cheol-Heui Yun.

## Session 1a. AI and digital tools for authors: collecting data, manuscript writing, and text similarity check



### Speakers:

**Ksenija Bazdaric** - Rijeka University, Faculty of Health Studies, Croatia;

**Jan Homolak** - University of Tuebingen, Germany;

**Maja Hoić** - Institute for Development and International Relations (IRMO), Croatia.

### Moderator:

**Are Brean** - The Norwegian Medical Society, Norway.

During the session, speakers discussed how AI and digital tools can help authors in manuscript preparation. They covered a range of tools for tasks including data collection, literature surveys, AI writing assistance, and text similarity checks. While AI technologies offer advantages, it is crucial to use them with care and transparency. Speakers provided valuable insights and recommendations to help users navigate these tools effectively.

## Session 2a. Recognising the value of manuscript editors



### Speakers:

**Curtis Barrett** - PhD - English Editing Solutions, The Netherlands;

**Mary Miskin** - Charlesworth Author Services, UK;

**Alice Lehtinen** - Altexa, Finland.

### Moderator:

**Yateendra Joshi** – EASE Council, India.

With the growing influence of AI, many foretell the demise of the role of manuscript editors. Speakers discussed how we can promote the value of manuscript editors beyond technical and grammatical corrections.



Alice Lehtinen pointed out that AI doesn't mean the end for editors if we make it a tool to serve us, do essential post-editing, and learn to use it to our advantage.

Mary Miskin suggests the following algorithm to use AI: upload manuscript, AI peer review, expert human review, structured report.



## Session 2b. Digital tools and platforms for peer review



### Speakers:

**Draženko Celjak** – University Computing Centre SRCE, University of Zagreb, Croatia;

**Kate Horgan and Ryan Walter** – Aries Systems, USA;

**Stuart Cooper** – Science Open, France;

**Teodor Georgiev** – Pensoft Publishers, Bulgaria.

### Moderator:

**Jadranka Stojanovski** – Associate Professor, University of Zadar / Ruđer Bošković Institute, Croatia.



This session presented new digital tools, software and platforms used for peer reviewing, such as ScienceOpen Peer Review (Stuart Cooper), ARPHA Publishing Platform AI assisted tools (Teodor Georgiev) etc.



Speakers compared the advantages and differences of AI tools. Participants heard from publishers and service providers on how they are helping to increase the efficiency of their peer review processes through the use of dedicated AI tools and operations for editors and peer reviewers.

## Session 4a. Three must-use AI tools for manuscript editors to supercharge their work



### Speaker:

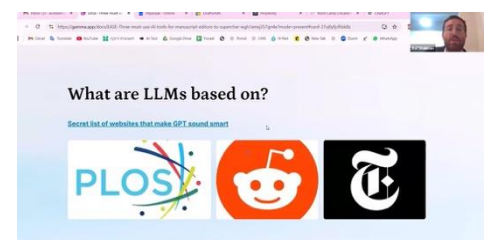
**Avi Staiman** – Chief Executive Officer, Academic Language Experts, Israel.

### Moderator:

**Duncan Nicholas** – Development Editor, Reproductive BioMedicine Online, UK.

This session presented some useful Author Tools:

- 1) Literature Review on SCISPACE, the Fastest Research Platform Ever;
- 2) Answers from the literature on Perplexity, a free AI-powered answer engine that provides accurate, trusted, and real-time answers to any questions;
- 3) Language editing using Draftsmith platform, a tool to edit and improve professionally written text. Also there's another useful tool for Data Analysis on Julius AI, a powerful AI data analyst that helps to analyse and visualise data.



## Session 5. Journal selection: how AI can help authors and editors

### Speakers:

**Sophia Frangou** - Professor of Psychiatry, Icahn School of Medicine, USA Editor-in-Chief of European Psychiatry and Human Brain Mapping;

**Dost Ongur** – McLean Hospital, USA; Editor-in-Chief JAMA Psychiatry;

**Niels van Dantzig** – Senior Product Manager, Elsevier, The Netherlands.

### Moderator:

**Duncan Nicholas** – Development Editor, Reproductive BioMedicine Online, UK.

In this session, speakers discussed what information researchers need to choose the most appropriate journal, how to help authors select journals, and how to help authors know when a journal would not be appropriate. They also explored how publishers can use AI and other tools to assist researchers and editors in improving journal selection.

«Traditional methods of journal selection can be enhanced by AI-supported data-driven methods. Integrating AI with human expertise can enhance and refine the journal selection process, leading to more informed decisions» – Sophia Frangou.

### Traditional Methods of Journal Selection and Key Challenges



Experience	• Personal publication history • Familiarity with editors
Recommendations	• Either by mentors or peers
Reading Preferences	• Journals frequently cited or read by the researcher
Journal Scope	• Matching manuscript topics to journal aims
Metrics	• Selecting journals based on high metrics like the Journal Impact Factor

### Author of the review:

**Katya KRAVCHENKO**, librarian of the department of information technologies and computer support of the M. Maksymovych Scientific Library, Taras Shevchenko National University of Kyiv