

# Artificial Intelligence in Education: Ownership, Ethics, and the Future of Knowledge

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May 2026



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Educational, Scientific and  
Cultural Organization



UNESCO Chair in  
Open Educational Resources



Athabasca  
University

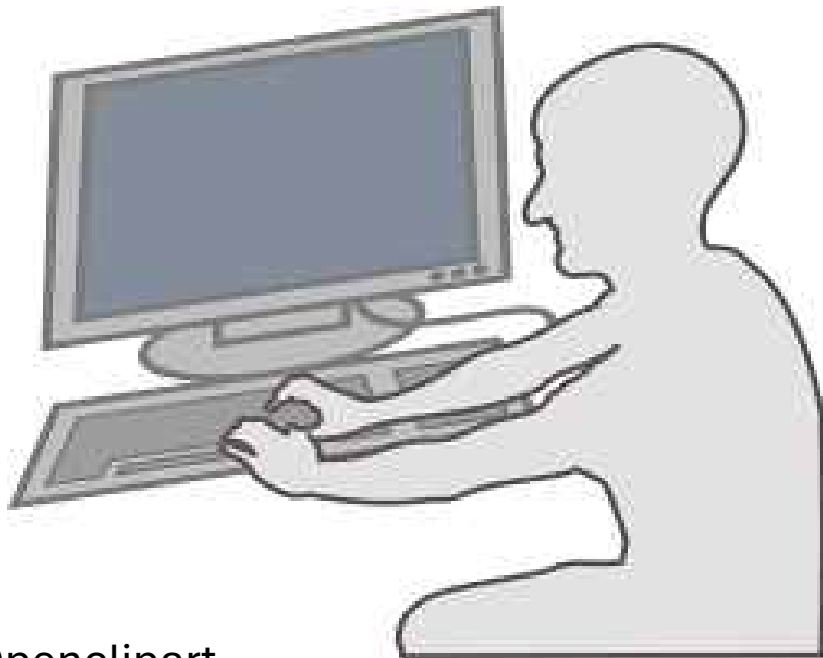
The future of learning.



ARTIFICIAL  
INTELLIGENCE



# AI Generated Content



# AI Content is Public Domain



only human-  
authored parts of  
a work can be  
copyrighted

**Creativity, intellectual  
input , interactivity**

**US:Content Generated Solely by AI  
is Ineligible for Copyright — AI: The  
Washington Report**

by: [Bruce D. Sokler](#), [Alexander Hecht](#), [Christian Tamotsu Fjeld](#) of [Mintz](#) - [Mintz Insights](#)  
Wednesday, August 23, 2023

**Beijing Internet Court** If producer is involved  
in the generation process be the author. He/she could be  
the author

**Europe:** Consensus is to deny copyright for  
AI content

**OWNER: the USER or the PROGRAMMER?**

**19 March 2025**

**AI is (still) not a  
(copyright) Author:  
*The Thaler*  
*appellate decision***



- - **Accessible**
  - **Easier**
  - **Faster**
  - **More effective**



# Accessibility



- **knowledge is no longer confined to traditional classroom settings; it is accessible everywhere**



commentary in snack-sized mouthfuls



"I want AI to do my laundry and dishes that I can do art and writing, not for AI to do my art and so that I can do laundry and dishes"

Author and videogame enthusiast **Joanna** (although bathroom cleaning goes ahead of)

"I'm sure I deserve a lot of criticism"

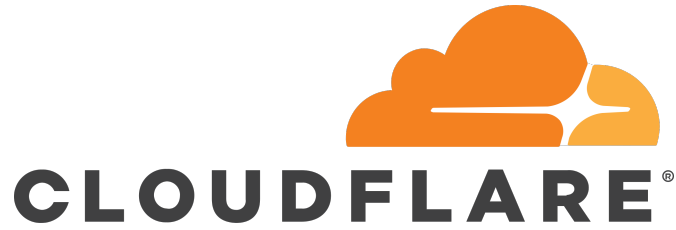
Image: JMaciejewska



Image: Authorsoft

# Controversy on AI use

# PAY to CRAWL



**BUT it's PUBLIC DOMAIN & We have FAIR DEALING**

GO  
olution

**TOIBIT**

# PAY to CRAWL

- Access Control
- Pricing/Contracting
- Payment
- Content Delivery
- Metering & Logging



# PAY to CRAWL Problems

1. PtoC becomes the default
2. No choice or nuance
3. Throttling & blocking
4. Limited interoperable
5. Limits collective contributions
6. Supports surveillance & DRM

**BUT it's PUBLIC DOMAIN & We have FAIR DEALING**



Image: [BillHartzer.com](http://BillHartzer.com)

# Call for copyright reform?

Redistribution  
beyond copyright

A levy on  
commercial AI  
systems

Change  
to all

**We MUST prevent the emergence of a new  
generation of information gatekeepers**

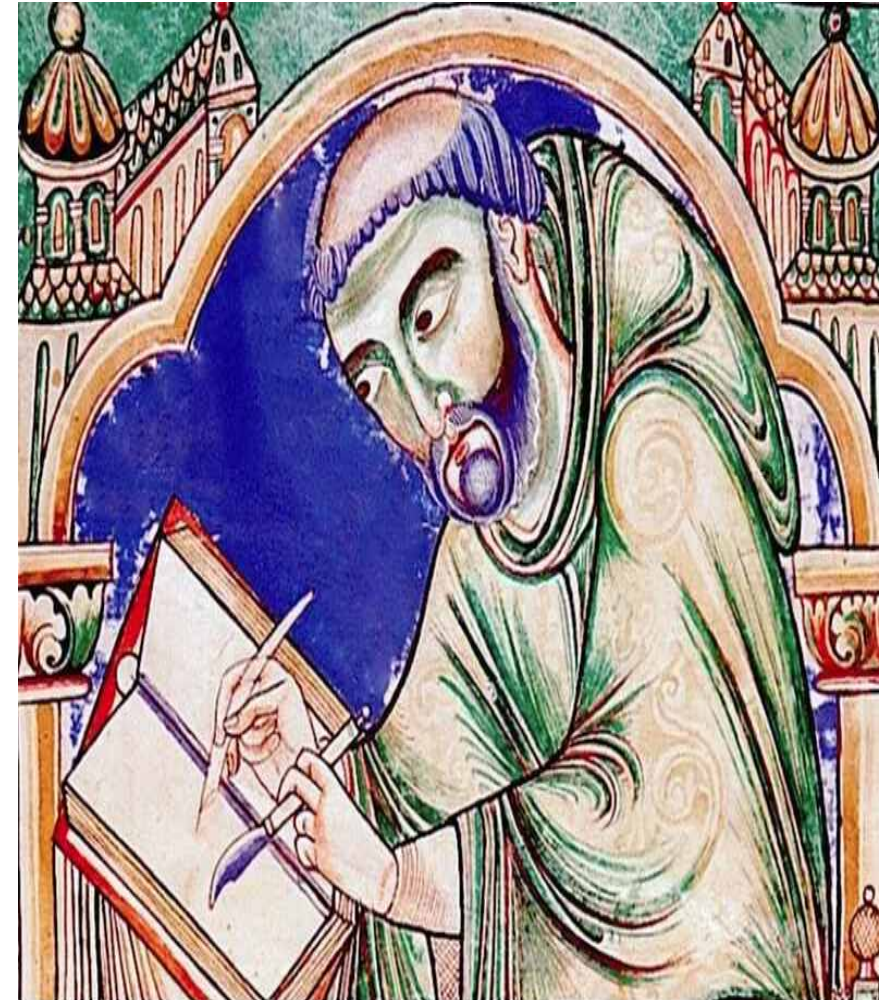
## THE BATTLE OF COPYRIGHT

Image: Creazilla



# Publishers' oppose AI “scraping”

- **Unsubstantial** copying is NOT copyrighted
- **Substantial** copying is allowed – Fair Dealing/Use
- **Ideas** are NOT copyrightable
- People amass most knowledge without permission
- Internet users take knowledge without compensation
- Authors are almost never aware of how their work is used



# Anthropic Copyright Settlement

*Bartz et al. v. Anthropic PBC* -Northern District of California

- training LLMs: “among the most transformative we will see in our lifetimes” **and qualified as fair use . . .**”
- **BUT only use legal copies**
- risk of copyright claims remains unresolved
- prevent **close** reproduction of protected works

**ANTHROPIC**  **Claude**



[Image: Wikimedia](#)

Penti, R. S., Rizzolo, M. J., & Schaal, Y. (2025, September 8). *Anthropic’s Landmark Copyright Settlement: Implications for AI Developers and Enterprise Users*. Ropes & Gray LLP. <https://www.ropesgray.com/en/insights/alerts/2025/09/anthropics-landmark-copyright-settlement-implications-for-ai-developers-and-enterprise-users>

# Fair Dealing & Fair Use

- Debate: Who owns AI-generated content?
- **Research use** of a **SUBSTANTIAL** part of an author's work can be legal
- Sampling/using the work of **an author**
- **Unsubstantial amount** of a work is **copyrightable**

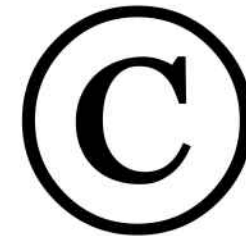
**AI scrapes & samples unsubstantial amounts**



Fair Use / Fair Dealing icon

Image: AlgomaU

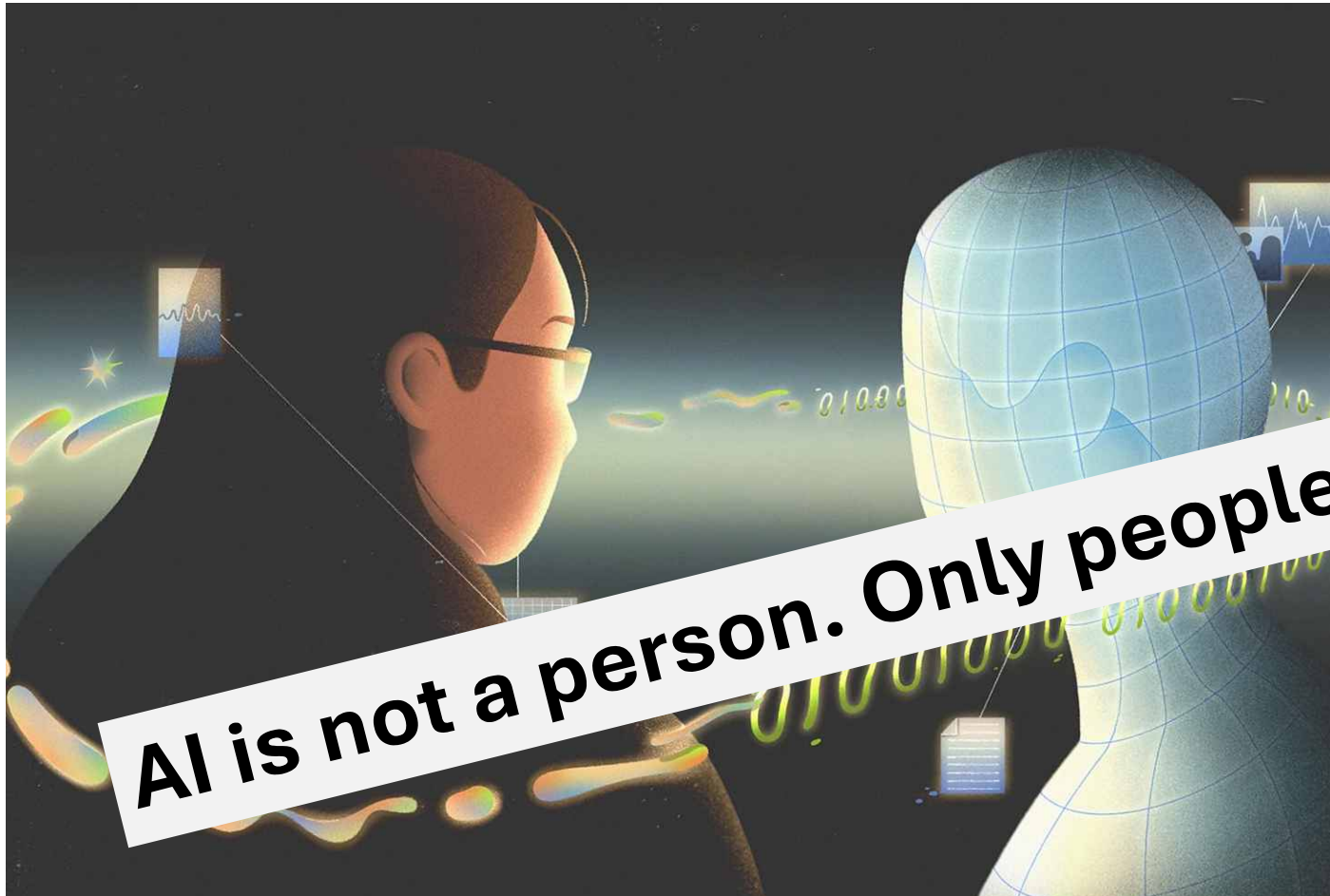
3. Acad AI scrapes & samples unsubstantial amounts & GenAI



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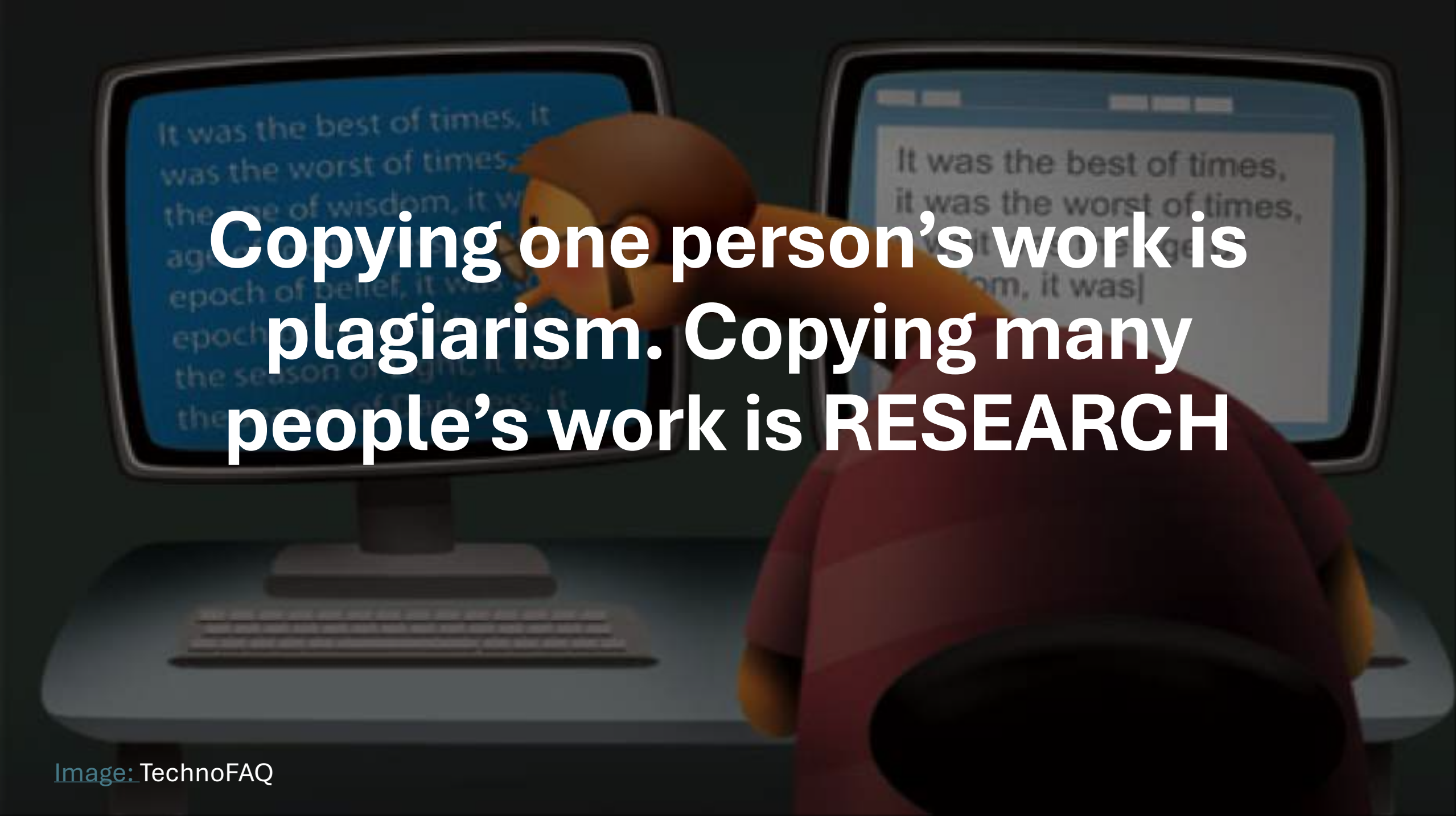
# PLAGIARISM or FRAUD?



**AI is not a person. Only people can be plagiarized**

**Plagiarism:** the practice of taking someone's work and passing it off as one's own

**Fraud:** wrongful or criminal deception intended to result in financial or personal gain



**Copying one person's work is plagiarism. Copying many people's work is RESEARCH**

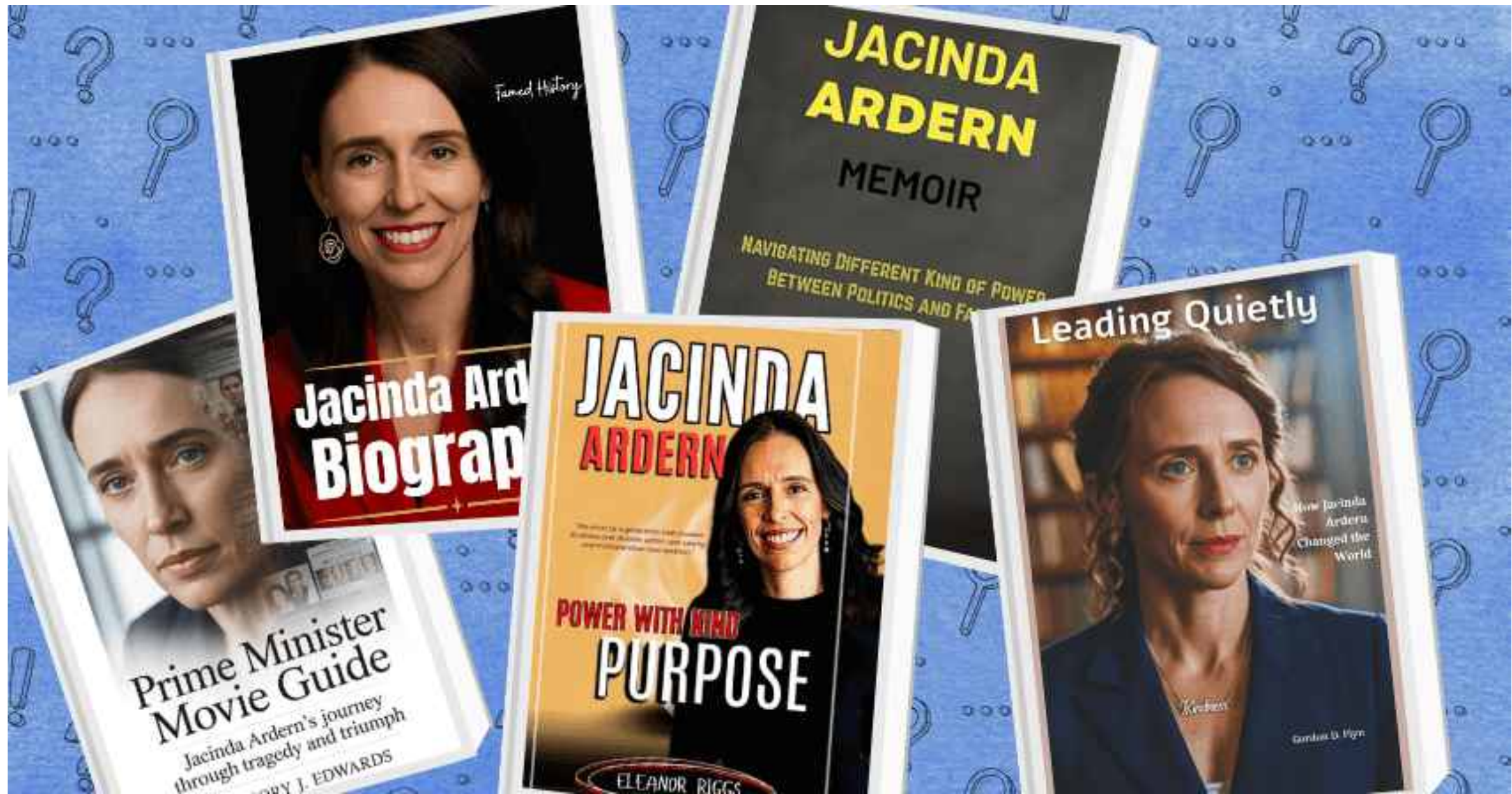


Image: ImagingResource

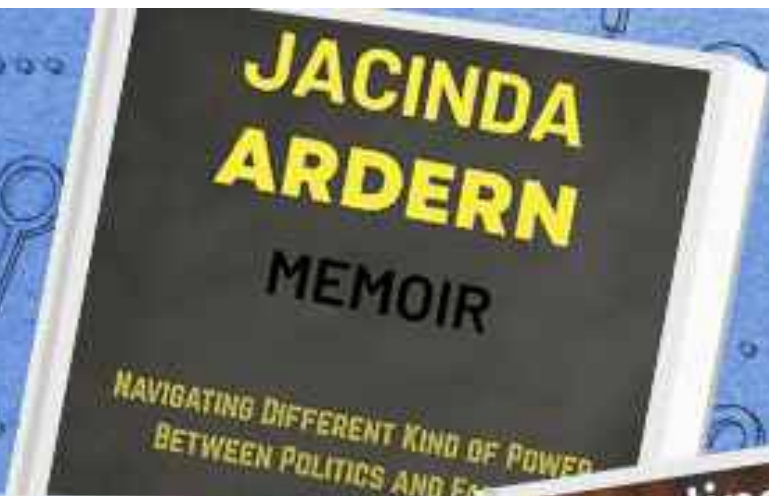
# Non-commercial user-generated content

**Canadian Copyright Act 29.21**

- **Use of an existing work for non-commercial purposes**
- **Mention of author if reasonable**
- **No substantial adverse effect**



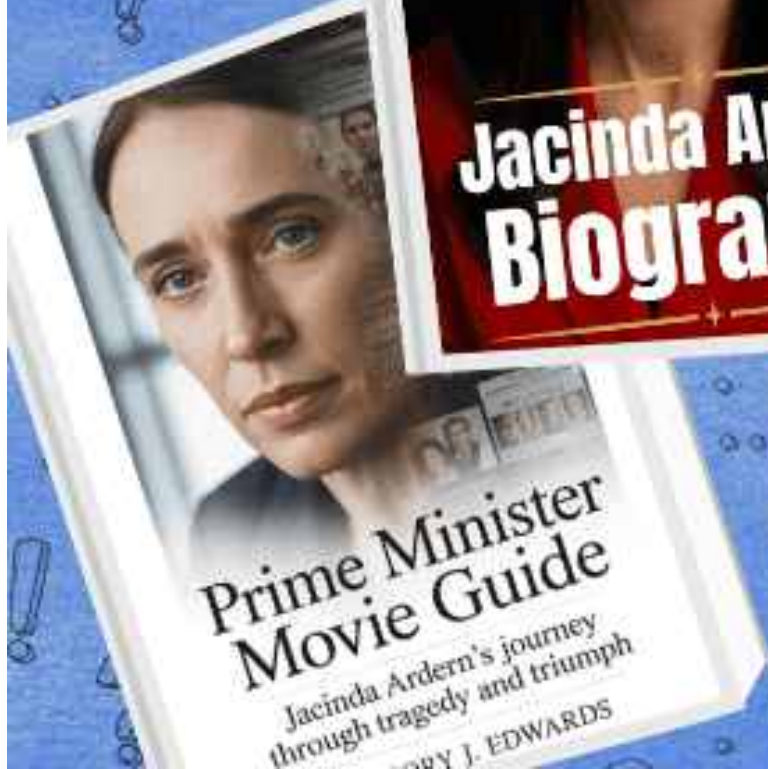
Jacinda Ardern  
Biography



JACINDA  
ARDERN

MEMOIR

NAVIGATING DIFFERENT KIND OF POWER  
BETWEEN POLITICS AND FAITH



Prime Minister  
Movie Guide

Jacinda Ardern's journey  
through tragedy and triumph  
J. EDWARDS



JACINDA  
ARDERN

POWER WITH KIND  
PURPOSE

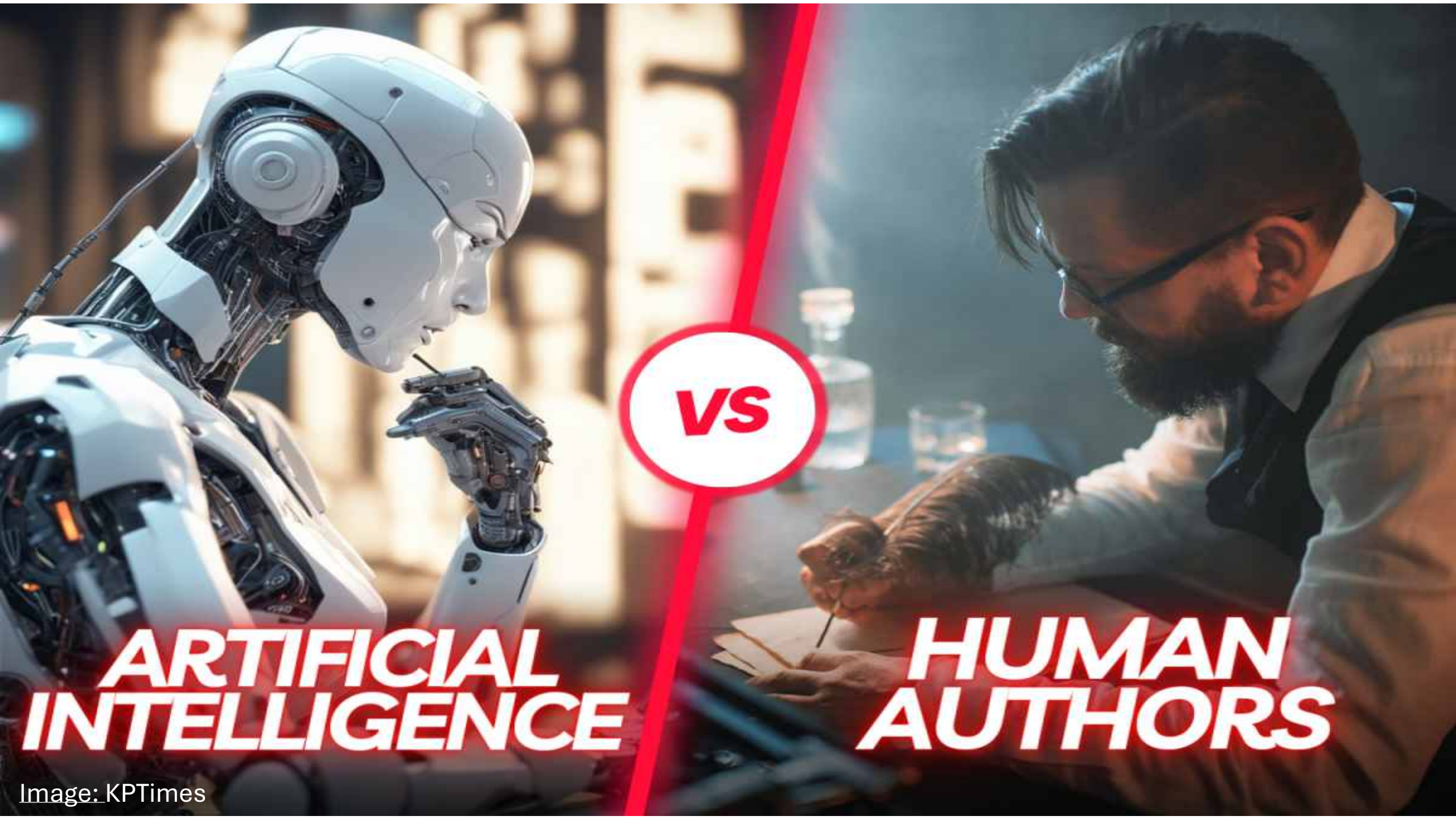
ELEANOR RIGGS



Leading Quietly

How Jacinda  
Ardern  
Changed the  
World

GARDNER & PLYN



**VS**

**ARTIFICIAL  
INTELLIGENCE**

**HUMAN  
AUTHORS**

**KNOWLEDGE  
IS HUMAN.**

## **AI vs Humans**

**ALL AI content is based on human  
knowledge**



# Gen AI Benefits for Authors



Image: Keysystems



**Editing**



**Idea  
generation**



**Content  
structuring**



**Literature  
synthesis**



**Data  
management**



**Ethical  
compliance**

# GEN AI Benefits for Authors

- **Aids authors who struggle with writing** (writer's block, brainstorming)
- **Frees up time to focus on substance** not presentation
- **Widens access to non anglophones** with translation
- **Supports equity for non anglophones**
- **Reworks content, (bullets to prose, formal style)**





## **Systemic Review of GEN AI Automated Feedback:**

- **Enhanced communication**
- **Cognitive and emotional support**
- **More efficient**
- **More accessible**
- **Supportive, stress-free**
- **Improved outcomes**

Image: TechMango

Lee, S. S., & Moore, R. L. (2024). Harnessing Generative AI (GenAI) for automated feedback in higher education: A systematic review. *Online Learning, Volume 28(3), (82-104)*. 28(3), 82 - 104. <https://olj.onlinelearningconsortium.org/index.php/olj/article/view/4593/1384>

# More GenAI Benefits for Authors

- **Speed**
- **Accuracy**
- **Objectivity**
- **Scalability**
- **Handling extraneous tasks**
- **Extending cognitive capabilities**

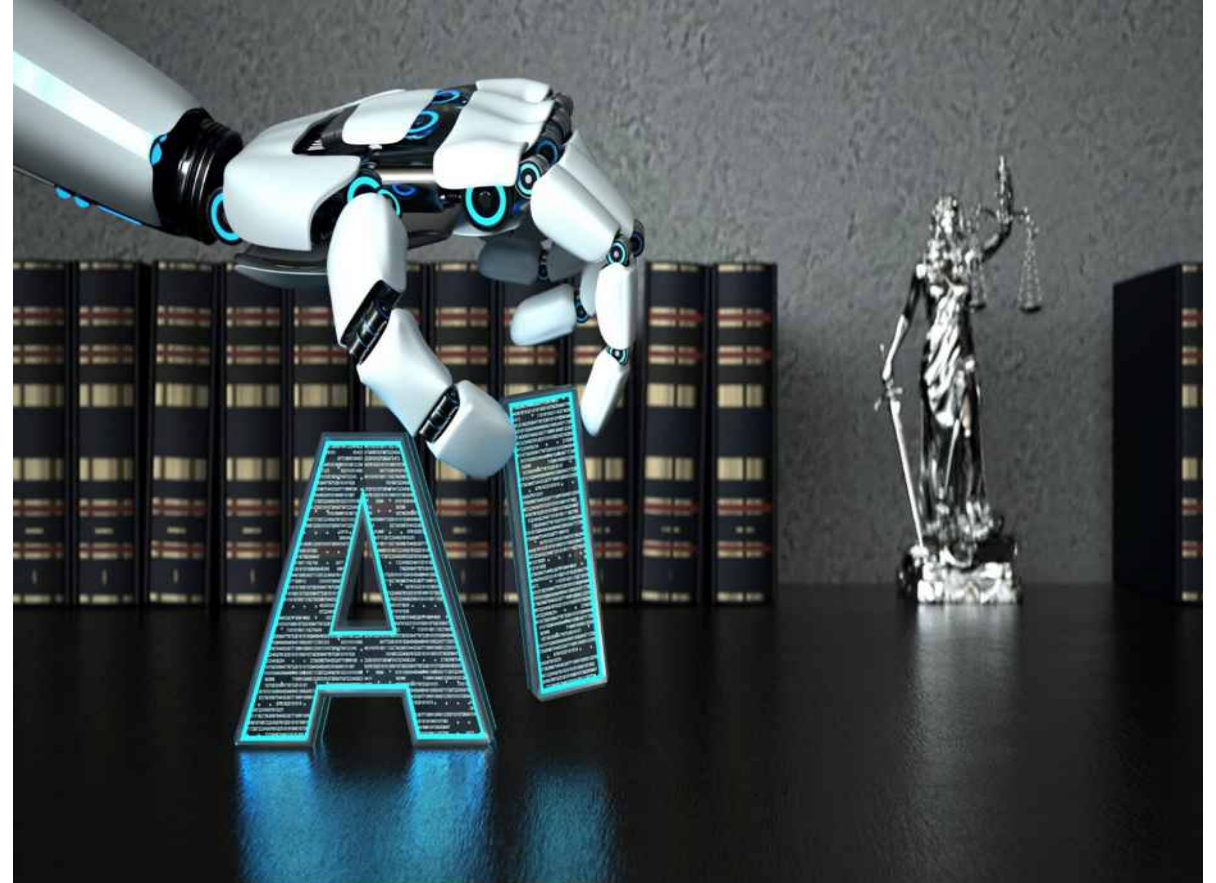


Image: Information Age

# Symbiotic relationship with AI

1. **Personal Accountability:** For their views, not the AI Tool.

2. **Ethical Responsibility:** content must align with their values/beliefs

3. **Readers' Perception:** Author is responsible for any misunderstandings.

**Author has ultimate responsibility**

4. **Due Diligence:** Author must conduct a thorough review.

5. **Joint Authorship:** Author input is often mixed with AI content BUT author is solely responsible.



# Human – AI Symbiosis Problems

- **Erosion of Human Judgment** sidelined – AI decision-maker
- **Dependence over Autonomy** over-reliance reduced autonomy
- **Loss of Creative Agency;** efficiency replaces deep thinking
- **No control over outcomes**



Imsg: LatentView

# Publisher Consensus



- **Don't list AI apps as authors**
- **Declare use of AI**
- **Some request where it is used**

# When NOT to use GenAI

- **Research methodology**
- **Results**
- **Discussion**
- **Conclusion**



# ICMJE: Who is an author?

- **Substantial contributions** to the conception or design; or the acquisition, analysis, or interpretation of data for the work;

AND

- **Drafting the work or reviewing it critically**

AND

- **Final approval** of the version to be published

AND

- **Accountability** for the work



ACCEPT FULL RESPONSIBILITY

Image: Needpix

# Challenges for Authors

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**Quality/Reliability & Accuracy**

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**Misinformation**

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**Authorship & Originality**

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**Ethical Use: Who knows?**

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**Unequal Access**

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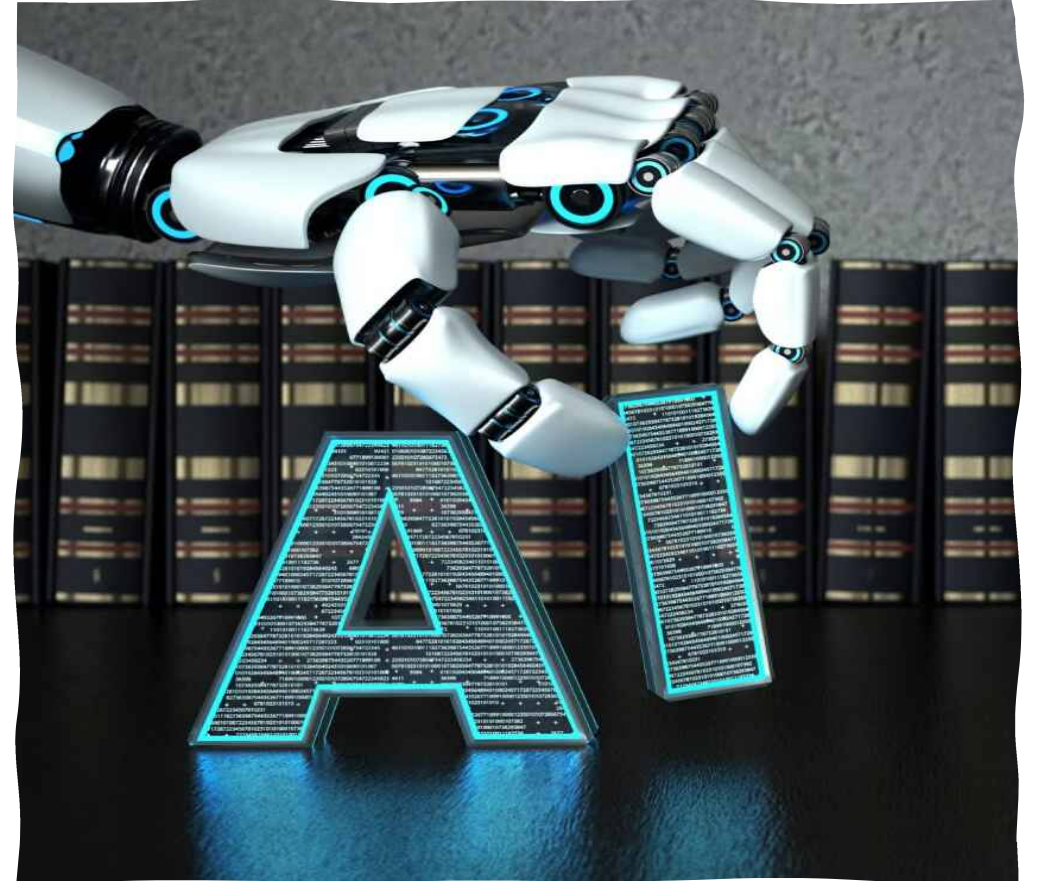


Image: Information Age

# Decision of Editors and Reviewers on AI assisted articles

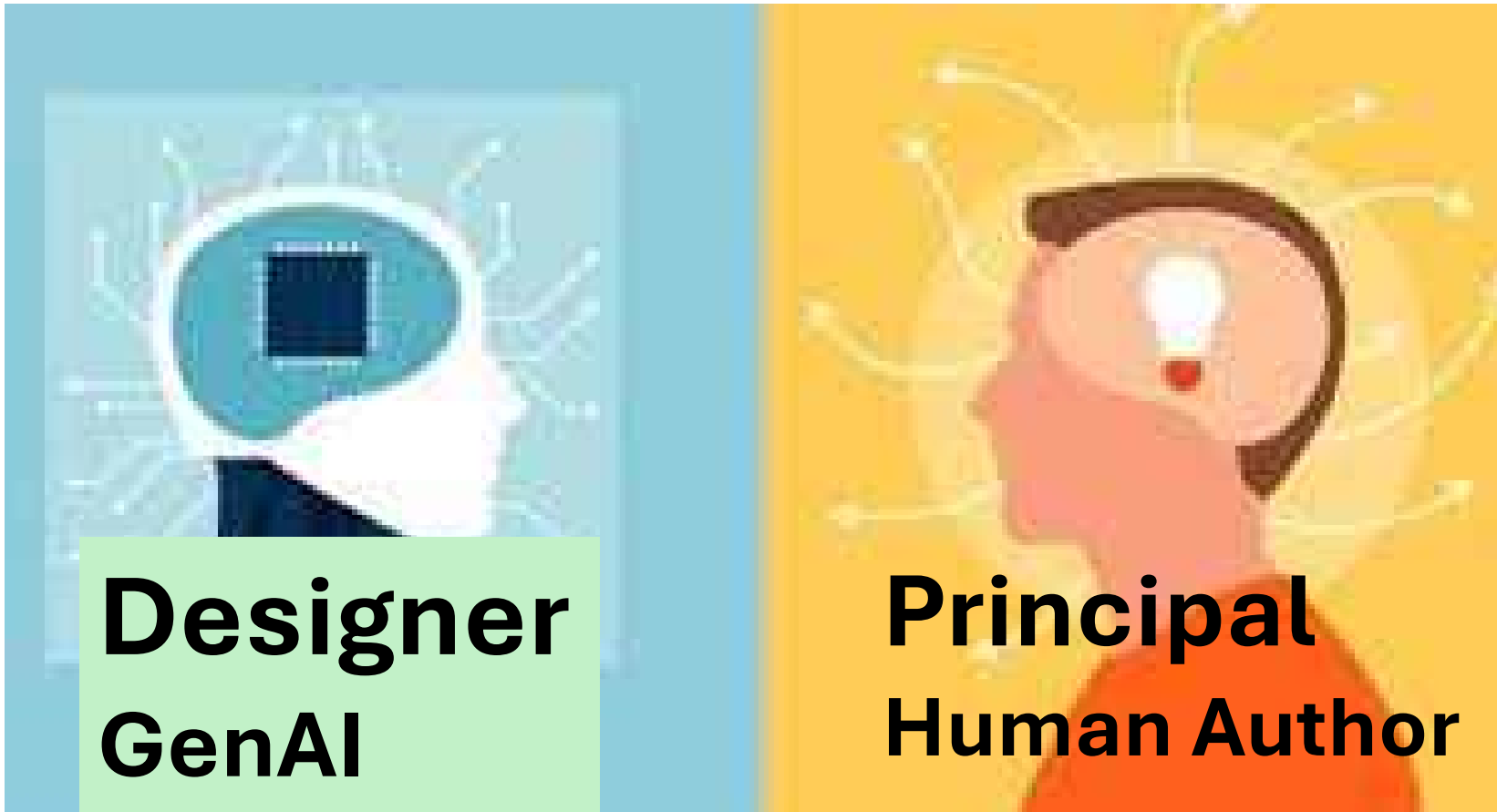
“If editors and reviewers consider it to be an original article that adds to the knowledge in the field, it should be published. If they use AI that should be a problem as long as it is not declared by the author that is **FRAUD**”



Peer Reviews

Image: PortlansStateU

# The O'Driscoll Postulation



**The Principal takes responsibility for the AI content**



# *The* GOFFMAN READER



*Edited by*  
Charles Lemert and  
Ann Branaman



Image

## Erving Goffman

## Maverick / Loner

## A Canadian, born in Mannville, Alberta

## The sociology of occasions

# Fundamental Academic Question

Who's the PRINCIPAL?

WHO SAID THAT?



# Pentagon vs. Anthropic (Claude)

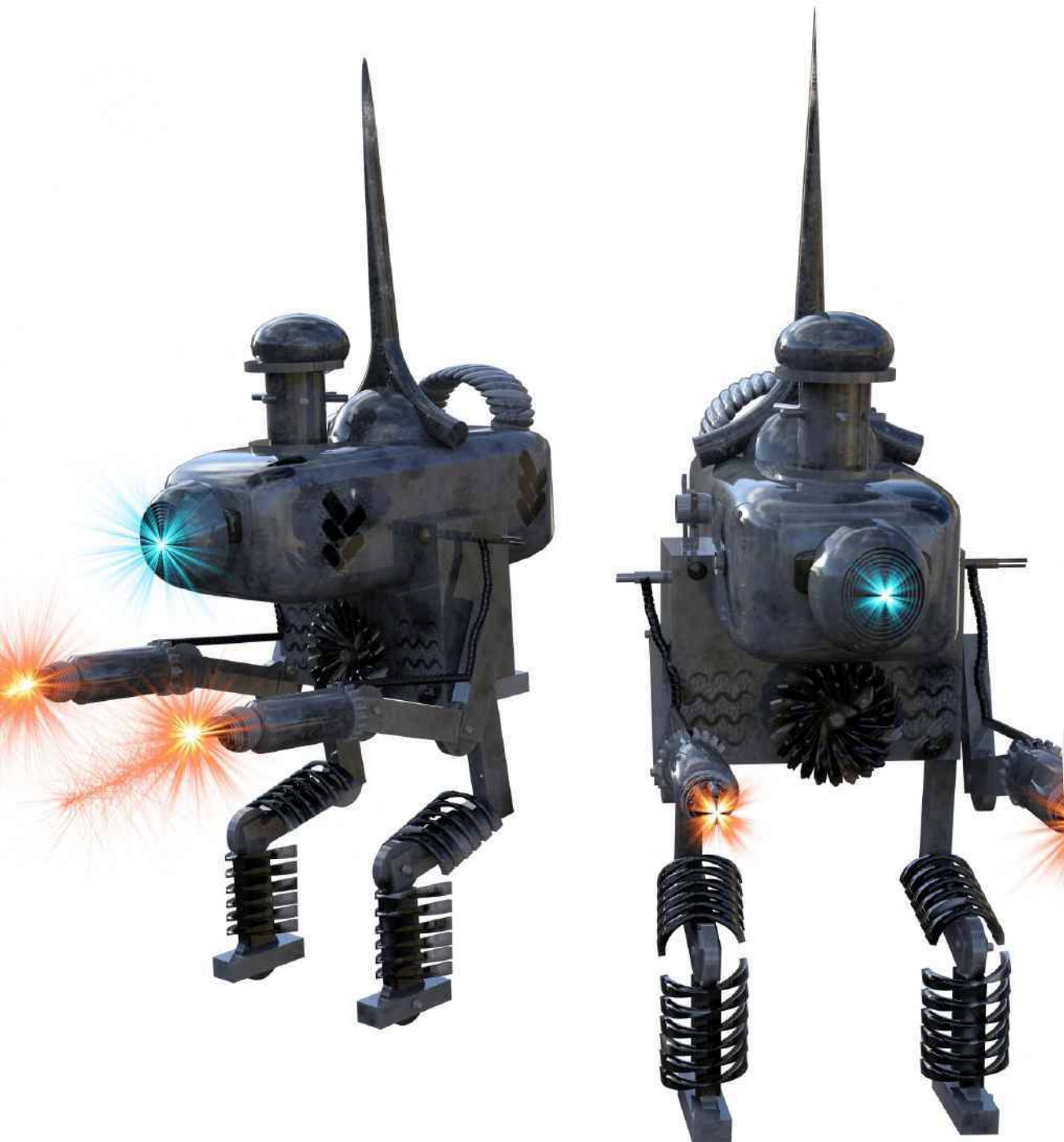
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**Who's the PRINCIPAL?**

Secretary of Defense  
H... Anthropic :  
... guardrails from your  
... models or face the full weight of  
the state. -The Atlantic

**Blacklist as supply-chain risk**

# Isaac Asimov's First Law of Robotics



- A robot may not injure a human being or, through inaction, allow a human being to come to harm.



Bozkurt, A., Xiao, J., Farrow, R., Bai, J. Y. H., Nerantzi, C. et al. (2024, October 5). **The Manifesto for Teaching and Learning in a Time of Generative AI: A Critical Collective Stance to Better Navigate the Future** *Open Praxis*.  
<https://openpraxis.org/articles/10.55982/openpraxis.16.4.777>

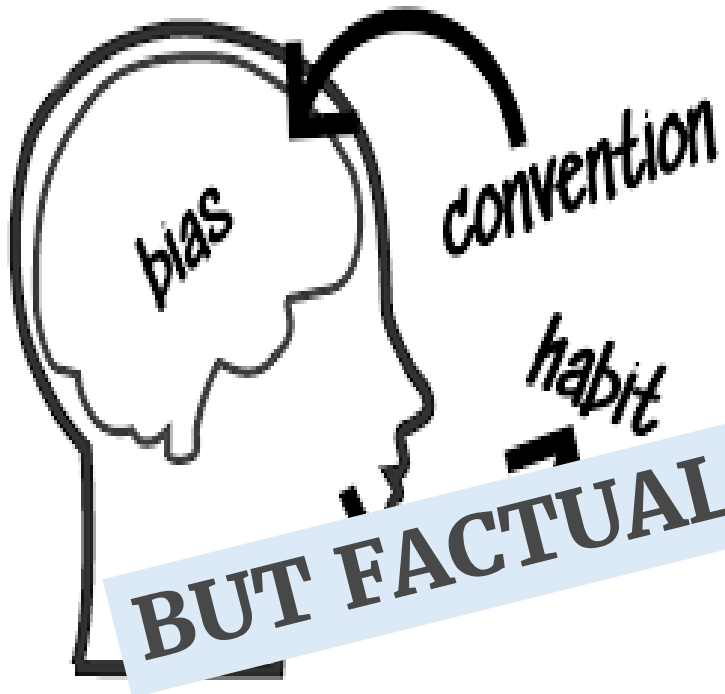
**Reading:** The Manifesto for Teaching and Learning in a Time of Generative AI: A Critical Collective Stance to Better Navigate the...

Aras Bozkurt Anadolu U.

## Editorial

The Manifesto for Teaching and Learning in a Time of Generative AI: A Critical Collective Stance to Better Navigate the Future.

# BIAS



- Existing inequalities must be addressed
- Data sets can be discriminatory
- Ensuring fairness requires a proactive approach
- Addressing bias in AI algorithms
- Educating users in appropriate critical digital literacies
- Transparency and open communication

# African Next Voices



- **largest known AI-ready dataset for African languages**
- **9,000 hours of real-life speech in 18 African languages**
- **build translation, transcription, and conversational AI tools**
- **Inclusion, opportunity, preservation**

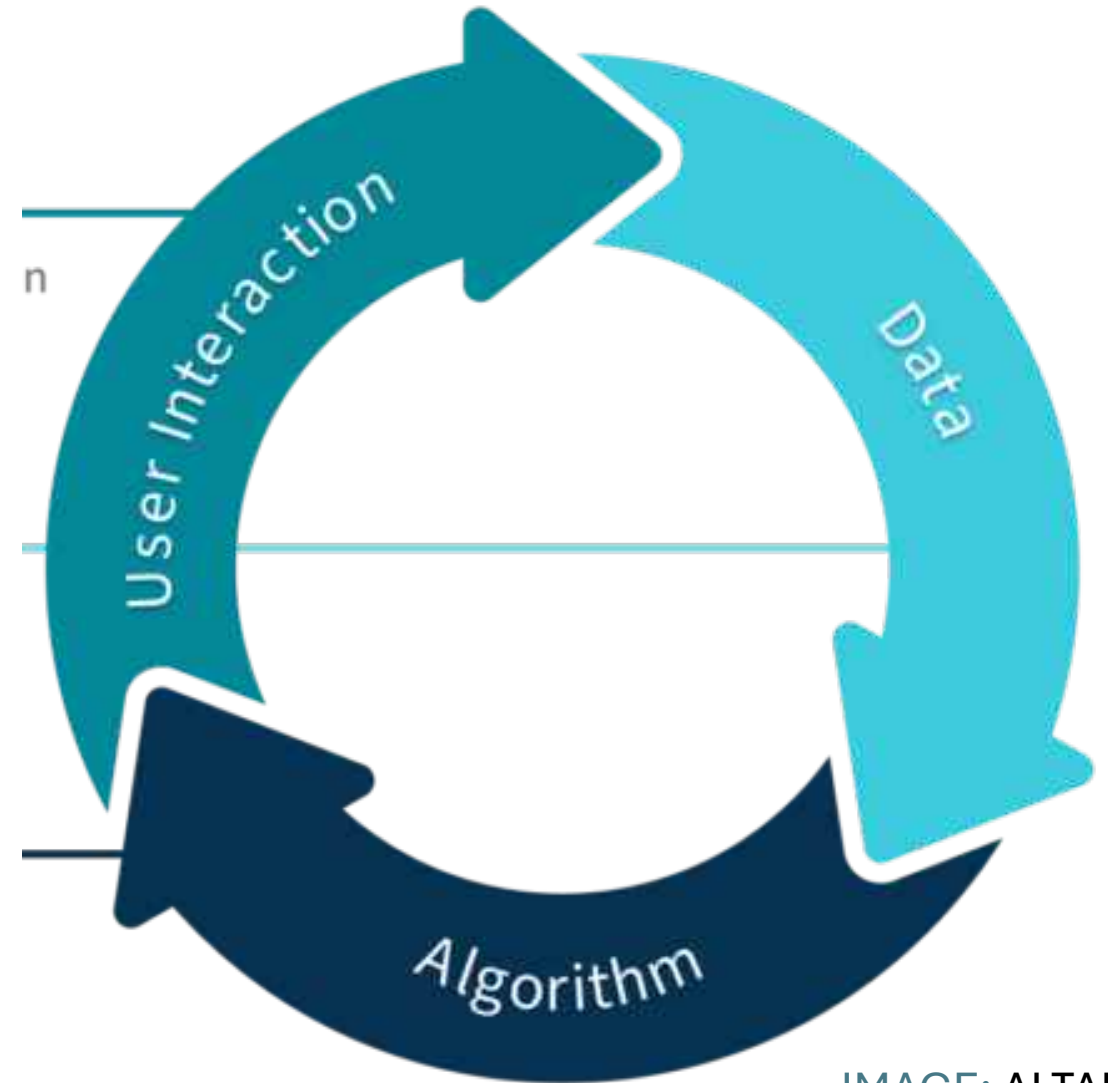
# How to Address Bias

**Open access to ALL  
Content:**

**Individuals & communities  
decide for themselves**

**Eg. - Request from only West  
African sources**

**- Request from an Arab  
perspective**





# NIGERIAN AI-ESE NOT ENGLISH IS THE PRIMARY LANGUAGE OF AI

## #FanaticalFuturist

Griffin, M. (2024, November 26). Nigerian AI-ese not English is the Primary Language of AI. *Intelligence and the Senses*.  
<https://www.fanaticalfuturist.com/2024/11/nigerian-ai-ese-not-english-is-the-primary-language-of-ai/>



# Criticism: Inclusivity

- Diverse cultural, linguistic, and socioeconomic backgrounds, accessibility requirements
- GenAI S. **LLMs are vast, open & growing** purposefully designed
- Include different opinions and views not just people.



Image: PoshWave

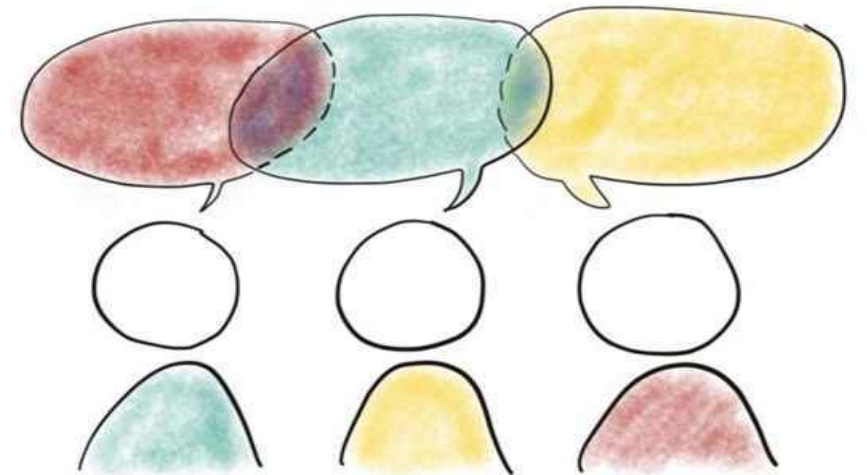
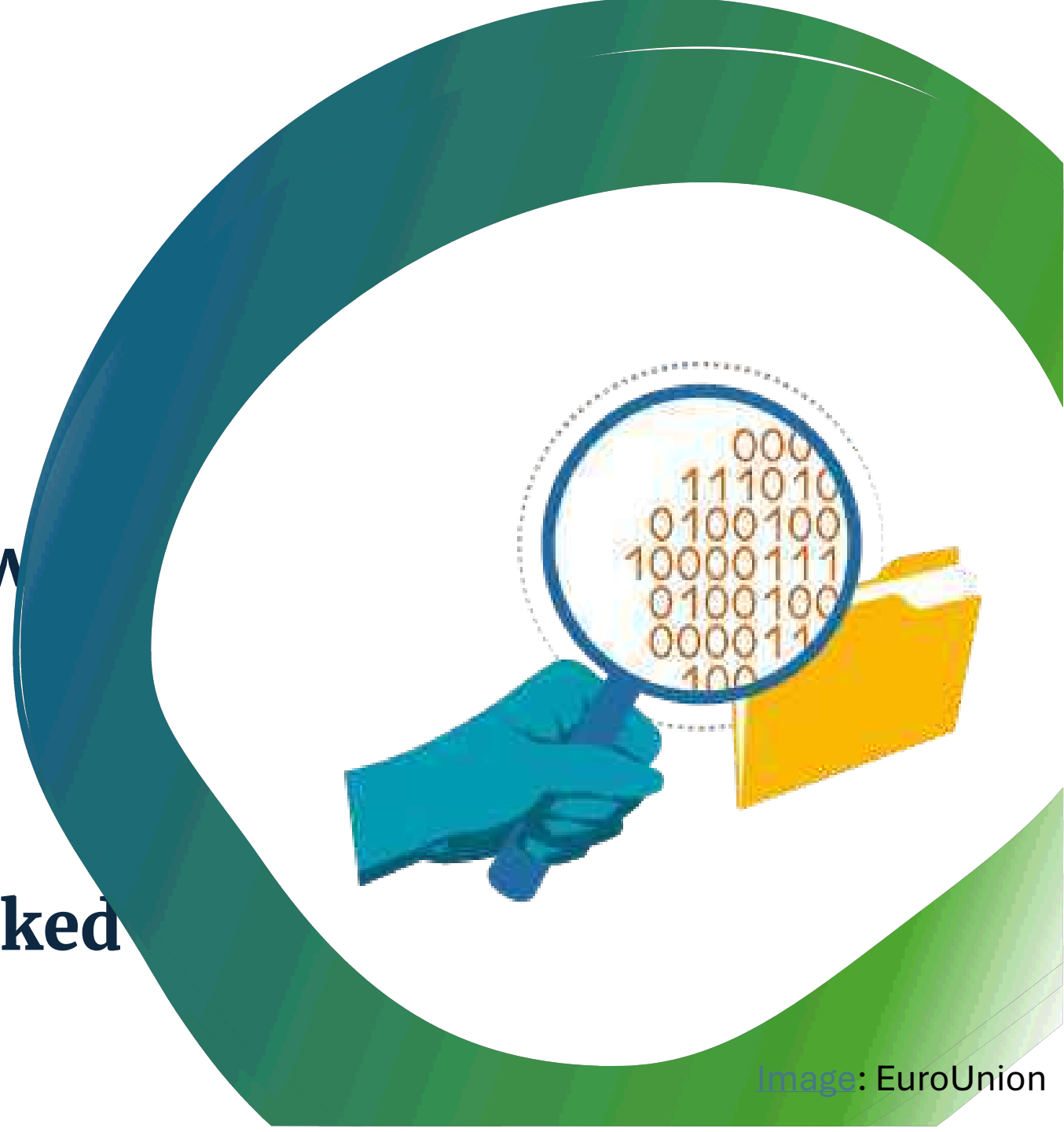


Image: UtrechtU

# Transparency

## Maintain Trust:

- Open communications with students & faculty
- AI is explainable
- Avoid opaque or unchecked use



# NO to CENSORSHIP

Disinformation  
Misinformation  
Malinformation

convincing but false??

**CENSORED**

*Pre-bunk*

*Debunk*

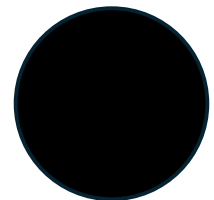
**Who decides?**

**CENSORSHIP**

**Openness is the skeleton key  
that unlocks every attempt at  
vendor control and lock in**



David Wiley



# GEN AI Criticisms

Bozkurt, A., Xiao, J., Farrow, R., Bai, J. Y. H., Nerantzi, C. et al. (2024, October 5). **The Manifesto for Teaching and Learning in a Time of Generative AI: A Critical Collective Stance to Better Navigate the Future** *Open Praxis*. <https://openpraxis.org/articles/10.55982/openpraxis.16.4.777>

# AI Criticism: Risk?

- **Contaminated information:**  
next gen. can deteriorate & fabricated data
- **Wrongly accused academics**  
of not authoring their own work
- **AI Peer review:**  
unvalidated appraisals, confidentiality
- **Paper mills:** fake content
- **Incompetence** lack expertise
- **Hallucinations & Errors**

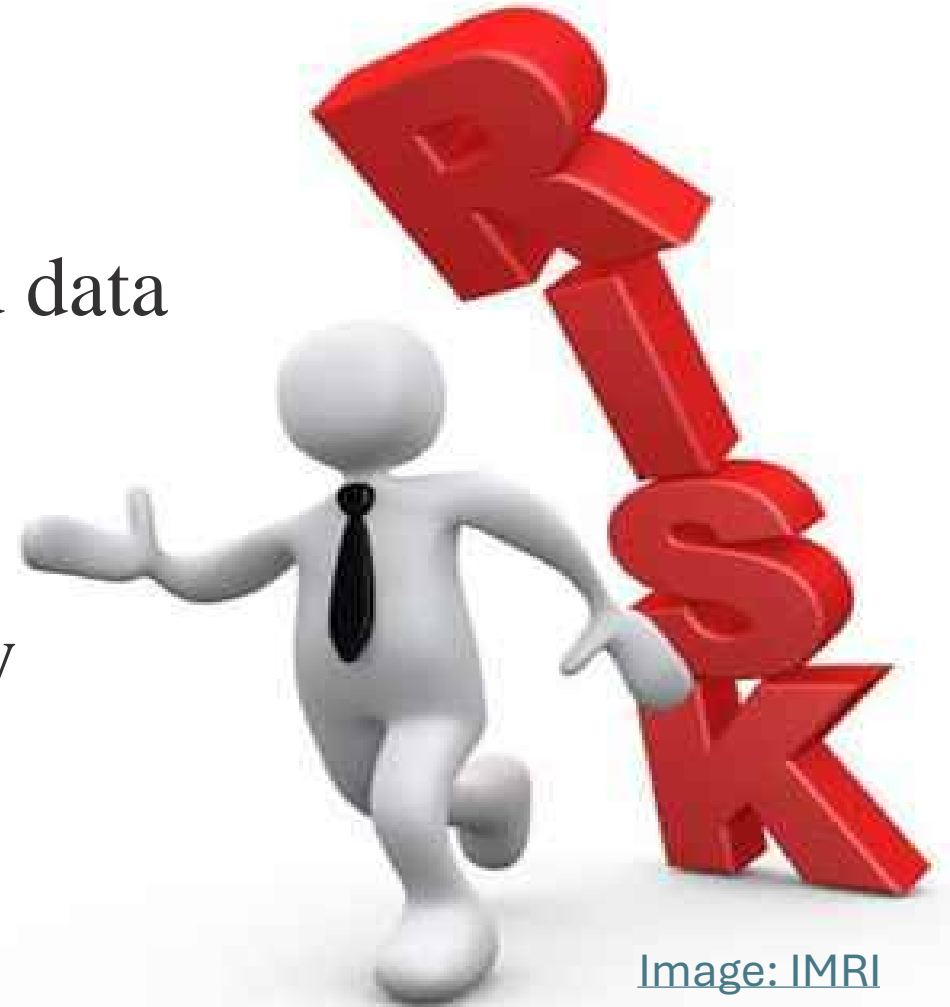


Image: IMRI