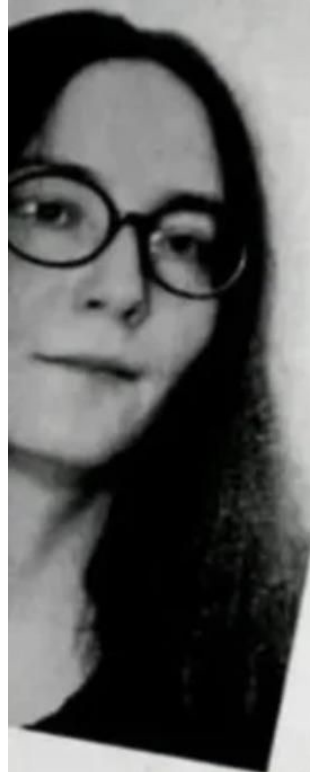


Liberating AI Literacy in PGR skills development at Sheffield Hallam University

**Sheffield
Hallam
University**
Knowledge Applied

Elizabeth Scanlon, David Smith
Márjory Da Costa Abreu

@profmarjory    



commentary in snack-sized mouthfuls

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

Author and videogame enthusiast **Joanna Maciejewska** nails it (although bathroom cleaning goes ahead of laundry and dishes)

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



SHU PGR support



"academy for people involved in Research, Innovation and Knowledge Exchange (RIKE) activities at all career stages and roles at Sheffield Hallam University"

**Active response
to changes**

Doctoral
Supervisor
Development
Programme

PGR Wellbeing
and peer
mentoring

Early Career
Research and
Innovation
Fellowship
(ECRIF)

Induction,
Development
plans &
Teaching
Skills

Mid Career
Researcher
(MCR)
Mentoring
Scheme

Writing:
publication,
bids, public
engagement,
retreats

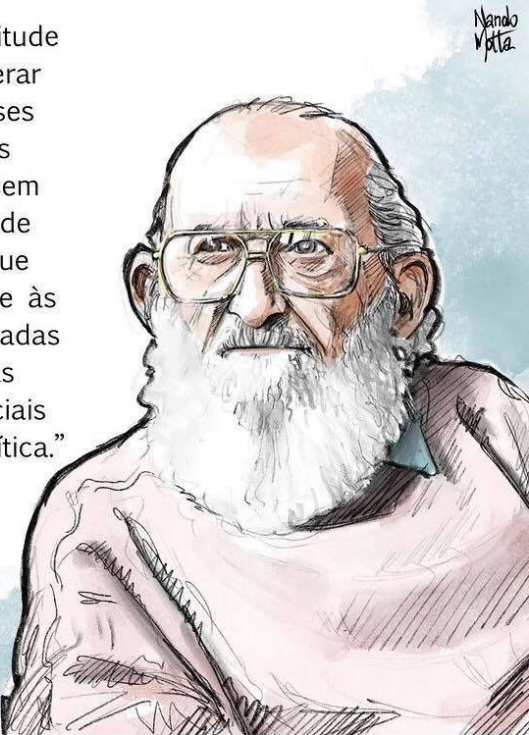
PGR/Research under threat?



Pedagogical background

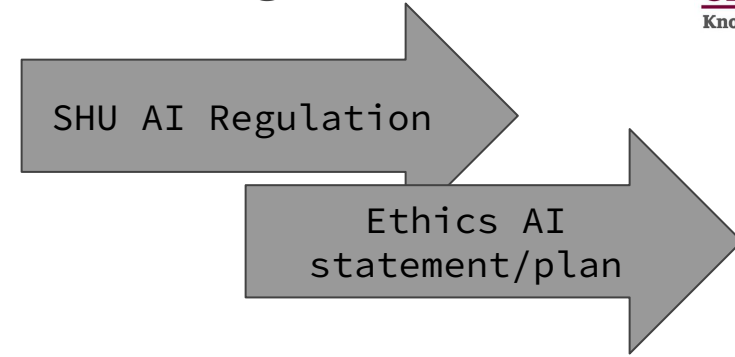
“Seria uma atitude ingênua esperar que as classes dominantes desenvolvessem uma forma de educação que proporcionasse às classes dominadas perceber as injustiças sociais de maneira crítica.”

Paulo Freire



The offer from RIDA so far

SHU Regulation



SHU Training – ongoing and expanding

LLM to
support
Literature
Review
(students)

Narrative CV
(ECR –
(academics)

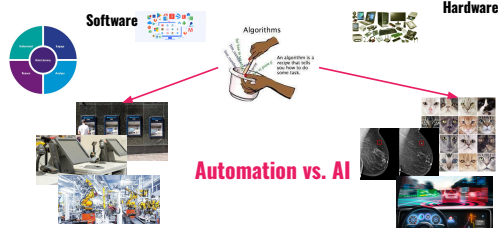
Ethics
submission –
AI statement

Reviewers of
ECR project

REF support
(ICS)

What happened in the workshops?

Where we are coming from: AI/IT literacy



Artificial Intelligence Transparency Scale (AITS)				
Level	Descriptor	Transparency Statement	AI Contributions	Human Contributions
1	No AI	Artificial Intelligence (AI) has not been used for any part of the activity.	AI is not used for any part of the activity.	All aspects of the activity are human generated, created, edited, and developed.
2	AI for Shaping	AI has been used to shape the initial and/or final parts of the activity.	AI is used for shaping parts of the activity. This includes initial outlining, concept development, prompting thinking, and/or improving structure/quality of the final output.	Most of the activity is human developed/generated. AI ideas and suggestions are refined and reviewed. AI outputs are used for discrete and specific goals/outcomes.
3	AI for Developing	AI has been directed for enhanced development of concepts and outputs.	AI is used to undertake detailed development of many or most aspects of an activity and outputs of that activity.	The human takes a significant role in the enhancement, refinement, and critical review of AI generated elements, combining or curating for any outputs.
4	AI for Enhancing	AI has been implemented for all elements of the task.	AI is used extensively throughout the task to achieve goals and outcomes.	The human directs the use of AI for effective outcomes within an activity. Critical thinking is evidenced for any outputs.
5	AI for Innovating	AI has been used for all elements of a task or piece of work, and it has been used in new, creative, and innovative ways through advanced techniques.	AI is implemented in an advanced and innovative way throughout all aspects of the activity.	AI is used creatively and critically by the human. The human uses AI as a co-creator with a critical thinking approach to generating novel AI activities and outputs.

Data integrity

Once data is inputted into a GenAI model it becomes part of that model



example prompt

“Find research articles on stress granules you are acting as a researcher in the field of bioscience and looking for peer review articles. I want them to be from 2022 to 2026 in peer review journals. “

Compare with
Scopus / Web of
science

Summary of attendance, early impact and feedback

In person

I feel
ashamed of
using LLM in
the office.

I feel more
stupid by
using it.

Post-session survey

23 responses
2 workshops
40/60 attended
100% would
recommend
Av. score 4.6/5

Discussion: raised
awareness of
appropriate,
transparent AI use
Practical: learnt
how to use tools and
verify output

“I will try to
use AI tools
when searching
/ handling
literature, but
will use with
caution”

“I’ll definitely
use Co-Pilot more
after
understanding how
my data being put
into the tools is
used...”

There is no ethical use of profit-driven artificial intelligence, so are we doomed? Reflections and possible alternatives

by *Márjory Da Costa-Abreu*, Associate Professor in Ethical AI at Sheffield Hallam University

<https://orcid.org/0000-0001-7461-7570>

<https://advance.sagepub.com/doi/pdf/10.31124/advance.175377635.57372435>

What is our responsibility?

Profit-driven Generative Artificial Intelligence for Social Good: A capitalist lie and a danger for our social fabric

4 Pages • Posted:

Marjory Da Costa-Abreu
Sheffield Hallam University

Date Written: March 03, 2026

https://papers.ssrn.com/sol3/papers.cfm?abstract_id=6365839

REVIEW

Br. J. Biomed. Sci., 09 January 2025

Volume 81 - 2024 | <https://doi.org/10.3389/bjbs.2024.14048>

Generative AI in Higher Education: Balancing Innovation and Integrity

<https://doi.org/10.3389/bjbs.2024.14048>

Embedding Generative AI as a digital capability into a year-long skills program

Authors: David P Smith; Dami Sokoya; Skye Moore; Chinenye Okonkwo; Charlotte Boyd; Melissa M Lacey;

<https://doi.org/10.53761/fh6q4v89>

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