

The academic writing rehearsal: learning from performances

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The circular economy: performance and rehearsal



What do we mean
by 'performance'?

The circular economy: performance and rehearsal



How do we use the
performance to
inform a rehearsal?

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The rehearsal stage



The role of the Centre for Academic English team in the rehearsal

- Working as communication specialists
- Supporting 'research paper' dissertations
- Reframing student perceptions



Example: Working with a department as communication specialists

Help course tutors to:

- Select target journal
- Align criteria with real-world performance
- Time writing interventions



MSc Applied Computational Science & Engineering: sample research paper

- Comparing with norms of published writing
- Focussing only on:
 - conformity
 - narrative
 - impact

1. Motivation and significance

Anaerobic digestion is an established technology for the stabilization of organic materials and production of renewable energy. Energy is recovered in the form of biogas (a mixture of methane (CH_4) and carbon dioxide (CO_2)), and optimization of biogas production is an active area of research [1]. Research on anaerobic digestion includes laboratory and pilot-scale experiments, as well as theoretical calculations and process modeling. Laboratory experiments are used to determine how much

Hafner, S. D., Koch, K., Carrere, H., Astals, S., Weinrich, S., & Rennuit, C. (2018). Software for biogas research: Tools for measurement and prediction of methane production. *SoftwareX*, 7, 205-210.

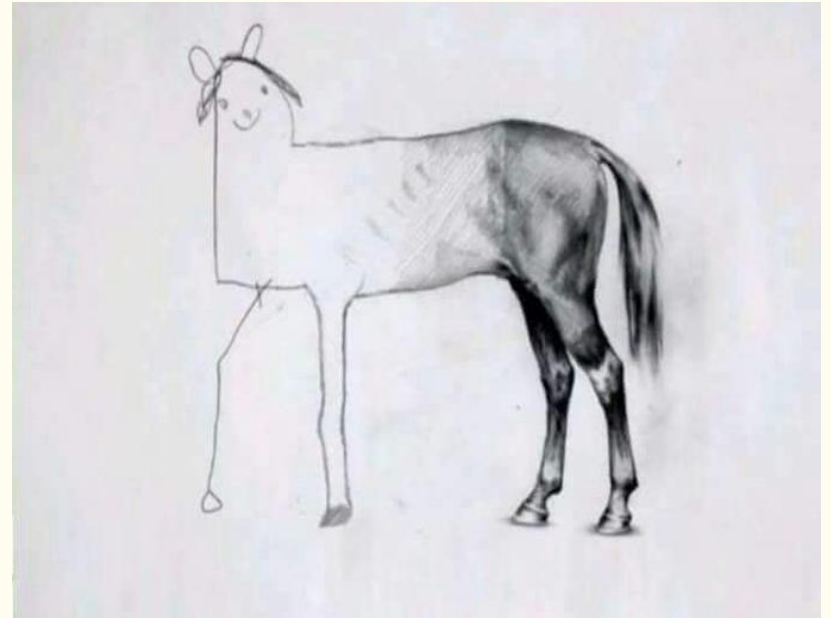
MSc Applied Computational Science & Engineering: sample student writing

- **Comparing with norms of published writing**
- **Focussing only on:**
 - **conformity**
 - **narrative**
 - **impact**

Reduced order modelling is a powerful technique for rapidly modelling high dimensional fluid dynamics systems. Its speed could enable real-time decision making and operational modelling. Using a Long Short Term Memory (LSTM) neural network to train the data in the reduced space can obtain excellent predictions in a short time. Gaussian Process Regression (GPR) and domain decomposition GPR are also used to train the data in reduced space, which also give accurate results.

Challenges

- **Mixed group**
- **Limited time to achieve transformational outcome**
- **Need to build mutual trust with the course tutor**



Positive outcomes

Brings the task closer
to the students and
the students closer to
the task

Q7. Which aspect(s) of the workshop did you find most useful?

...
s, reading through the research papers

good that it was tailored to our course!

Liked that you showed the work we'd written, corrected

Benefits

- Exploits our circular economy
- Outcome is transformational
- Strengthens our development



Q&A

