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# SCIENTIFIC MACHINE LEARNING

UNIVERSITY OF LEEDS



Hi <<Don't put your details here!>>,



## SciML Leeds Literature Club

A fortnightly forum to share and discuss interesting papers that we have read recently. We will meet on every other Thursday afternoon at 3pm in the Bragg building, room 1.34, starting on the 2nd of May.

This is not a place for presenting your own novel work, instead a space to practice low-stakes presentation, broaden the range of literature we are exposed to, and encourage the discussion of new scientific machine learning methods.

The presenter will prepare a (30-45 min) presentation covering the contents of the paper chosen. The remaining time (15-30 min) will be used for follow up questions on the paper and general discussion.

Guidance on presenting:

- The paper should fall into the field of scientific machine learning.
- The title of the paper along with the authors (and the presenter's name) should be on the first slide.
- Speakers are strongly discouraged from just reading the paper from beginning to end.
  - Present the motivation/theory of the paper. (Why did you choose it? What is the novelty?)

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- If the paper presents multiple test cases, choose the key test cases along with the corresponding results.
- There will be a general understanding that the content is not the speaker's work, and so using possessive language when presenting is permitted to keep things simple (e.g. 'the model we have used', 'Our results show').
- The schedule is managed on [this sheets file](#), if you wish to present, please add yourself to an unclaimed date.
- You can present papers that you are familiar with, but you can also present papers that have confused you, using the audience as a sounding board/ think tank to better understand the paper details.
- If the paper is a review paper, all papers mentioned should be cited on the corresponding slide, so that the audience can follow up on interesting work.

If we have a particularly engaged session on a paper, we will invite the author(s) to speak for SciML in a more formal seminar.

If you have any suggestions or queries, feel free to email Miranda at [scmho@leeds.ac.uk](mailto:scmho@leeds.ac.uk).



## SciML Leeds Logo Competition!

- SciML is looking for a new logo to take us into the new academic year! Anyone can enter, and you can enter as many logo ideas as you like. The competition will be open until 6/6/24 12:00, and we will all vote for our favourite at the June monthly meeting (7/6/24).

Enter with this form:

<https://forms.office.com/e/SB7uFdNrI6>



## Upcoming Events

- **[Monthly meetup]** - 3rd May 11am. LIDA (Leeds Institute for Data Analytics), Worsley Building, 11th Floor, room 11.87. [Click here to download the calendar event.](#)
- **Digital Leeds: Machine Learning and Humanities Sandpit**  
We invite colleagues from Leeds to our research community event, Digital Leeds, in April. The sandpit event aims to share the expertise of the Digital

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opportunities that could lead to future collaborative projects. All are welcome.

**Date:** Friday 19th April, 10:00 - 16:00

**Location:** Helix, University of Leeds

**Cost:** Free

- **Workshop on Scientific Machine Learning and Its Industrial Applications** (<https://scml.jp/caiwp/smlia2024>), which will happen on **25 June 2024** in Singapore, as part of IEEE Conference on Artificial Intelligence (CAI) 2024 (<https://ieeecaai.org/2024/>). The workshop particularly aims at discussing applications to a wide variety of research areas (including fluid dynamics). They ask a short paper (max 2 page long) for presenting your talk, but only a 200-word abstract for a poster; please find details at the workshop site, <https://scml.jp/caiwp/smlia2024/>. The abstract/paper submission will be closed on 3 May 2024.
- **Machine Learning for Earth Observation 2024 (ML4EO)**. This two-day conference will take place at University of Exeter on **24-25 June 2024**. You can now register and submit abstracts for talks/posters using the links below.
  - ML4EO webpage: <https://ml4eo.org/>
  - Registration: <https://ml4eo.org/registration>
  - Abstract submission [DEADLINE 1<sup>st</sup> May 2024]: <https://ml4eo.org/call-for-abstracts>

<https://scml-leeds.github.io>

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