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

Welcome back to SciML Leeds after the summer break!

We're kicking off the start of the academic year with a few events lined up: In the schedule we have a talk from ECMWF about deep learning for weather forecasting, and another about graph neural networks. This month we also have a hands-on workshop on Sparse Identification of Nonlinear Dynamical systems (SINDy), a powerful technique for modeling and discovering nonlinear dynamics in scientific systems.

This is all in addition to resuming our monthly meetups from this Friday (refreshments provided). We hope to see you there to discuss all things new in machine learning, as well as talk about what we've been working on.

For all the details, please see below for the more of the latest opportunities, resources, and events.

Do you have something you want to share in the next SciML Leeds newsletter?

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- We have a **Teams channel** under the LIDA group - [click here to visit it](#) and make sure to turn channel notifications on!
- If you'd like to **add your profile to** [sciml-leeds.github.io](#), we now have a tool to make this easier. [Click here](#) and fill out the form with your details.



Resources

- GPT-4 and DALLÉ-3 is currently accessible as a free preview via the Bing chat mobile app. This is a great opportunity to make use of the latest ChatGPT experience, working with text and image inputs.
- This Autumn, the machine learning framework Keras will upgrade to v3.0 and will allow one to run Keras workflows on top of arbitrary frameworks - starting with TensorFlow, JAX, and PyTorch. [More details here](#).



Upcoming Events

- **[Monthly meetup]** - 6th October 11am. LIDA (Leeds Institute for Data Analytics), Worsley Building, 11th Floor, room 11.87. [Click here to download the calendar event](#).
- **[SciML DMI talk: Graph-based Neural Weather Prediction for Limited Area Modeling. Tomas Landelius, SMHI, Fredrik Lindsten, Linköping University.]** Friday 10/10/2023. Teams link tbc.
- **[SciML talk: Could deep learning methods replace numerical weather models? Mariana Clare, ECMWF]** - Friday 20/10/2023 15:00 - 16:00 ([Hybrid](#), [Worsley 11.87](#)).
- **[Hands-on SciML workshop: SINDy. Alasdair Roy, University of Leeds]** - Friday 27/10/2023 14:00 - 16:00 ([Hybrid](#), [Worsley 11.87](#)).
- **[Forecasting Global Weather with Graph Neural Networks. Ryan Keisler]** - Friday 10/11/2023 15:00 - 16:00 (Hybrid, Worsley 11.87). Teams link tbc.

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