

Translational AI Center (TrAC) Training Fall 2023

Tutorial on Scientific Machine Learning

Date: Oct 16, 23, Nov 6, 2023; Time: 4:00 – 6:00 PM

Location: Zoom

Join us for a three-session tutorial exploring current AI techniques for solving partial differential equations. The final list of topics will be tailored to participants' interests based on a survey during registration.

Tentative list of topics:

1. Data-based and Data-free paradigms of solving scientific problems
2. Collocation and Grid based methods
3. Physics Informed Neural Networks (PINN)
4. Operator view: DeepONet, FNO, CNO
5. Common issues and pitfalls
6. Applications

Additional discussions:

- Hands on tutorials and exercises

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Mode of Instruction: Virtual

Registration:

To register for the tutorial and complete the survey, please visit: <https://forms.gle/o8t4NAnEcfBE1GJ6A>

Registration deadline: **Oct. 16, 2023**

Registration Cost:

Students: \$30 per person

Industry Professionals: \$250 per person (we will send you invoice after you fill the registration survey)

Contact Information:

For more information, please email: baditya@iastate.edu



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