



Poster Networking Session: Wednesday Workshop October 27, 2021 at 4:00-5:00 PM

We are pleased to announce that we are now accepting poster proposals for consideration to the **special add-on day within the 5th annual Ken Kennedy AI and Data Science Conference** at Rice University. The add-on day will be on Wednesday, Oct 27th and will include hands-on tutorial sessions and additional technical talks focused on *Scalable and Sustainable AI: Overcoming the Wide Gap Between AI in Theory and AI in Production*.

OpenAI recently noted that the computation cost of AI experimentation doubles every three and a half months. Existing solutions fail to catch up with this exponential demand. Currently, the progress in AI is limited to tasks that closely resemble existing standard benchmarks and related settings such as Imagenet. Industries routinely deal with pipelines that go beyond these traditional settings. Going beyond routine pipelines results in catastrophic degradation of either the performance or the accuracy of the AI.

In the current state, even with all the hardware, scaling convolutions neural networks on ultra-high-resolution images is prohibitive. Deep Learning for Seismic Data Processing currently only caters to datasets with toy simulated settings. Model Parallelism for training extensive neural networks is needed by almost any large data processing company. However, current solutions are prohibitively slow & nowhere near satisfactory. As a result, today, AI engineers are not designing models to solve a problem; rather, the problem is hammered to cater to well-known models. Scaling up the AI model remains the main gap between AI in theory & AI in production.

In this workshop, we will explore recent advances in designing a new generation of scalable and sustainable AI algorithms that are exponentially cheaper and can cope with future demands.

Poster submissions are open to industry, academia, and students. Visit ai-datascience.rice.edu to submit your poster proposal for the in-person poster session on Wednesday, Oct 27th. Additionally, we are requesting all poster presenters to record a 3-minute lightning presentation to be shared with virtual attendees. Please submit abstracts to the **Wednesday Workshop: Posters**.

Submissions should include:

- Title of poster
- 1-2 paragraph abstract
- Authors and affiliations
- Recorded 3-minute lightning presentation in MP4 format. You can record your lightning talk using Zoom.
- Printed poster that is no larger than 48" by 48".

Deadlines: Your poster title, abstract, and authors must be submitted for consideration no later than **October 6**. Your submission will be reviewed within 2 business days. Accepted posters will need to submit their recorded 3-minute lightning presentation and signed media release by **October 13**.

Complimentary Registration to Student Posters: The complimentary registration code will be provided to student presenters once your poster has been accepted (1 per poster).