

Fram Focus volume 11:4 – November 2025

In this issue:

Co-sponsored

- **3 Minute Thesis -3MT Competition Finals:** November 07, 2025.

Fram Finds

- **Imaging Science Seminar: Foundations for Transforming the Imaging ChAIIn:** November 5, 2025.
- **College of Science Distinguished Speaker: Physical AI and the Intelligence of Things:** November 10, 2025.
- **Supercharge Your Job Search with AI:** November 11, 2025.
- **CHAI Plenary Talk: Mark Riedl:** Friday, November 14, 2025.
- **Provost Speaker Series - Lunch and Learn: Exploring the Universe with the James Webb Space Telescope:** November 14, 2025.

A Few Thoughts

- **Krista Vardabash,** Fram Executive Advisory Board Member.

From Gene Fram

- *What past education technology failures can teach us about the future of AI in schools*
- *Universities can turn AI from a threat to an opportunity by teaching critical thinking*
- *Human Agency in the Age of AI*

CO-SPONSORED

- **3 Minute Thesis - 3MT Competition Finals:** November 07, 2025, 2:45 pm - 5:00 pm. Room/Location: MAGIC Spell Studios, Wegmans Theater. Watch RIT Doctoral Students Compete by Explaining Their Research in 3 Minutes! BE PART OF THE COMPETITION WITH THE PEOPLE'S CHOICE. An important aspect of the competition is the People's Choice prize. Following all presentations, the audience is asked to vote on who they thought gave the most convincing 3MT presentation. For more information and to register, click [HERE](#).

FRAM FINDS

- **Imaging Science Seminar: Foundations for Transforming the Imaging ChAIIn:** November 5, 2025, 3:00 pm – 4:00 pm. Room/Location: [Chester F. Carlson Center for Imaging Science](#) /1125 or via Zoom. This seminar explores the profound impact of Machine Learning (ML) and Artificial Intelligence (AI) on the modern Imaging chAIIn while emphasizing consistency in mathematical foundations. Correlations within the historical progression of the Imaging field may help indicate its future direction. However, this seminar attempts to achieve the same goal by instead exploring the historical progression of correlation itself. From projections, to transformers, to foundation models and agentic AI for Computer Vision (CV), consistencies are dissected to ground our understanding. Additionally, we present a two-pronged approach to improving CV generalization in open-world settings. For more information and to register, click [HERE](#).
- **College of Science Distinguished Speaker: Physical AI and the Intelligence of Things:** November 10, 2025, 1:00 pm - 2:30 pm. Room/Location: Thomas Gosnell Hall, A300. Artificial intelligence is leaving the cloud and entering the world, not as abstract code, but as a property of physical systems themselves. This is the promise of Physical AI: intelligence that is compact, adaptive, and embodied, inspired by the dynamics of living systems. Such AI could make our technologies more efficient,

trustworthy, and human-centered, but it also forces us to confront profound questions. What does it mean when intelligence no longer sits apart from the world, but is woven into its fabric? Will Physical AI become a foundation for resilience and care, or will it bind us to technologies we cannot escape or control? This talk will discuss the energy challenges of foundational AI models, introduce several state space models and explain how they achieve energy efficiency, and talk about how state space models enable physical intelligence. For more information, click [HERE](#).

- **Supercharge Your Job Search with AI:** November 11, 2025, 5:00 pm – 6:00 pm. Student Hall for Exploration and Development (SHED), Room/Location: 3350. Join us for this exciting workshop to discover how ChatGPT and other AI tools can become your secret weapon in landing your dream co-op/internship or full-time job. In this workshop, we will show how ChatGPT can help you create resumes and cover letters, spruce up your LinkedIn profile, shine in your interviews, and craft an individualized job search plan. For more information and to register, click [HERE](#).
- **CHAI Plenary Talk: Mark Riedl:** November 14, 11:00 am – 12:00 pm. Room/Location: Golisano Hall, CYB1710-1720. As AI systems have increased in capability, the need to ensure that AI systems and their users are aligned with respect to values and preferences. Regardless of whether current technologies are on a path to AGI, alignment is fundamental to human-AI interaction. In this talk, we look at the role of Explainable AI (XAI) in aligning agents and users. XAI can help users form better mental models of how agents make behavior choices. XAI can also be used to empower users to shape the behavior of agents. For more information, click [HERE](#).
- **Provost Speaker Series - Lunch and Learn: Exploring the Universe with the James Webb Space Telescope:** November 14, 2025, 12:00 pm - 1:00 pm. Room/Location: Zoom. Join the first Provost Speaker Series Lunch and Learn event. The speaker is Dr. Jeyhan Kartaltepe, Professor, School of Physics and Astronomy, College of Science. The title of her presentation is: Exploring the Universe with the James Webb Space Telescope. For more information and to register, click [HERE](#).

A FEW THOUGHTS

In this issue, meet:

- **Krista Vardabash**, Fram Executive Advisory Board Member. Read Krista's thoughts related to critical thinking [HERE](#).

FROM GENE FRAM

- [“What past education technology failures can teach us about the future of AI in schools”](#) by Justin Reich, The Conversation, October 3, 2025.
- [“Universities can turn AI from a threat to an opportunity by teaching critical thinking”](#) by Anita Lubbe, The Conversation, October 5, 2025.
- [“Human Agency in the Age of AI”](#) by John Nosta, Reviewed by Margaret Foley, Psychology Today, September 13, 2025.

