

AI Unlocked: Empowering Higher Ed through Research and Discovery

Wednesday, April 2, 2025

All

08:00 am – 09:00 am: Breakfast, *Ballroom*
09:00 am – 09:15 am: Introduction to workshop, *Ballroom*
Shelley Knuth, University of Colorado-Boulder
09:15 am – 09:20 am: Transition to workshop spaces

Track 1 - Beginner

09:20 am – 10:00 am: Introduction to AI, *Platte River*
Jason Armbruster, University of Colorado-Boulder
10:00 am – 10:30 am: Computational resources for AI, *Platte River*
Dave Hart, National Center for Atmospheric Research (NCAR)
10:30 am – 11:00 am: Break, *Mezzanine*
11:00 am – 11:45 am: Overview of AI tools and applications, *Platte River*
Gil Speyer, Arizona State University
11:45 am – 11:55 am: Break (cannot get into Ballroom until 11:55 am)
11:55 am – 12:30 pm: Lunch, *Mezzanine and Ballroom*
12:30 pm – 01:15 pm: Getting access to NAIRR Pilot resources, *Platte River*
Timothy Middelkoop and Lauren Michael, Internet2
01:15 pm – 02:45 pm: How to use an HPC system, *Platte River*
Mary Thomas, San Diego Supercomputing Center
02:45 pm – 03:15 pm: Break, *Mezzanine*
03:15 pm – 04:45 pm: Submitting an AI job, *Platte River*
Mary Thomas, San Diego Supercomputing Center
04:45 pm – 05:00 pm: Wrap Up, *Platte River*
Marisa Brazil, Arizona State University
05:00 pm – 06:00 pm: Break, *On Your Own*
06:00 pm – 08:00 pm: Reception, *Mezzanine*

Track 2 – Intermediate to Advanced

09:20 am – 10:40 am: Introduction to PyTorch, *Ballroom*
Lonnie Crosby, University of Tennessee-Knoxville
10:40 am – 11:00 am: Break, *Mezzanine*
11:00 am – 11:55 am: AI Tool Lightning Talks (7 talks, 7 minutes), *Ballroom*
Cerebras, Databricks, Google, Microsoft,

SambaNova, Cloudbank
11:55 am – 12:40 pm: *Lunch, Mezzanine and Ballroom*
12:40 pm – 01:10 pm: Overview of NAIRR Pilot resources, *Ballroom*
Nabeel Alzahrani, California State University, San Bernardino
01:10 pm – 02:45 pm: AWS Tools Showcase, *Ballroom*
Jack Fenwick, Amazon Web Services
02:45 pm – 03:15 pm: Break, *Mezzanine*
03:15 pm – 04:45 pm: Introduction to TensorFlow, *Ballroom*
Mahidhar Tatineni, San Diego Supercomputing Center
04:45 pm – 05:00 pm: Wrap Up, *Ballroom*
Alana Romanella, University of Colorado-Boulder
05:00 pm – 06:00 pm: Break, *On Your Own*
06:00 pm – 08:00 pm: Reception, *Mezzanine*

Thursday, April 3, 2025

All

08:00 am – 09:00 am: Breakfast, *Ballroom*
09:00 am – 09:15 am: Introduction to workshop, *Ballroom*
Marisa Brazil, Arizona State University
09:15 am – 09:20 am: Transition to workshop spaces

Track 1 - Beginner

09:20 am – 10:45 am: Workflows and AI, *Platte River*
Mats Rynge, University of Southern California
10:45 am – 11:00 am: Break, *Mezzanine*
11:00 am – 11:45 am: AI in the Classroom: Practical Applications and Early Results, *Platte River*
Bobby Hodgkinson, University of Colorado Boulder
11:45 am – 12:00 pm: Wrap Up, *Platte River*
Nitin Sukhija, Slippery Rock University
12:00 pm – 01:30 pm: Optional session - extra hands-on support (appointment required), *Lawrence A&B*

Track 2 – Intermediate to Advanced

09:20 am – 10:45 am: AI Using Large Language Models (LLMs), *Platte River*
Danny Havert, Indiana University
10:45 am – 11:00 am: Break, *Mezzanine*
11:00 am – 12:30 pm: Deep Learning vs. Machine Learning, *Platte River*
Paola A. Buitrago, Pittsburgh Supercomputing Center
12:30 pm – 12:45 pm: Wrap Up, *Platte River*

Nitin Sukhija, Slippery Rock University
12:45 pm – 01:30 pm: Optional session - extra hands-on support (appointment required), *Lawrence A&B*