2024 FORUM ON ALAPPLICATIONS TO USDA SCIENCE

NOVEMBER 18 - 21

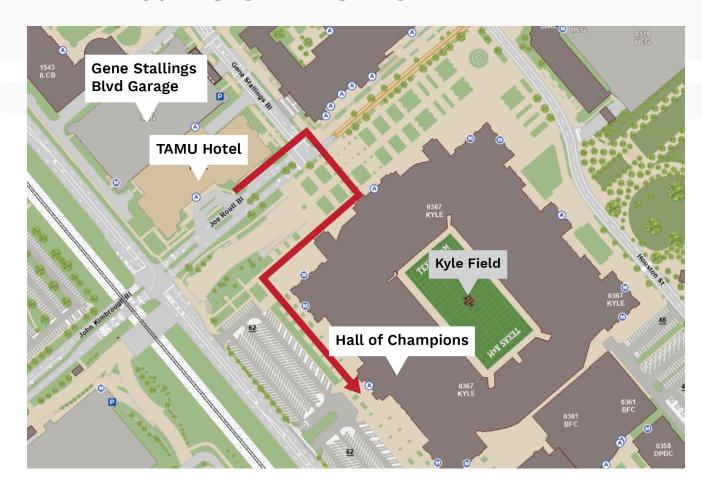




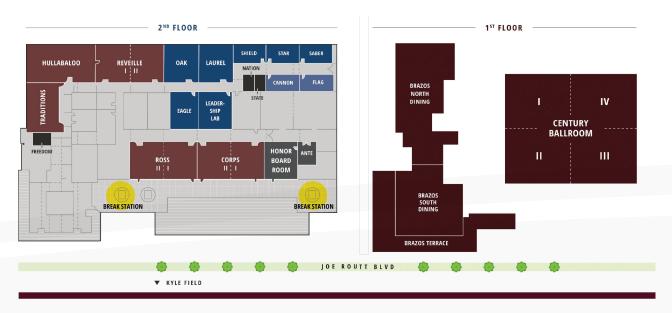




MAP & LOCATIONS



TEXAS A&M HOTEL AND CONFERENCE CENTER



REGISTRATION INFORMATION

Monday, Nov 18, 2024

3:30 - 6:30 PM

TAMU Hotel Lobby

Early Registration Badge Pick-Up

Tuesday, Nov 19, 2024

7:15 - 11:30 AM	Kyle Field Hall of Champions Lobby Registration/Information Desk
12:45 - 4:45 PM	TAMU Hotel, 2nd Floor near WEST Elevator Bank Registration/Information Desk

Wednesday, Nov 20, 2024

7:00 - 9:30 AM	Kyle Field Hall of Champions Lobby Registration/Information Desk
10:00 AM - 4:00 PM	TAMU Hotel, 2nd Floor near WEST Elevator Bank Registration/Information Desk

Thurssday, Nov 21, 2024

8:00 AM - 3:30 PM

TAMU Hotel, 2nd Floor near WEST Elevator Bank Registration/Information Desk



FULL AGENDA

AGENDA OVERVIEW

Tuesday, Nov 19, 2024

7:30 AM	Hall of Champions at Kyle Field Morning Refreshments
8:30 AM	Hall of Champions at Kyle Field Welcome and Introductions
	TAMU AgriLife Welcome ARS Welcome NIFA Welcome ERS Welcome APHIS Welcome NASS Welcome OCS Welcome
9:45 AM	Hall of Champions at Kyle Field Break
10:00 AM	Hall of Champions at Kyle Field Panel Discussion: Al that Drives Innovation
12:00 PM	Hall of Champions at Kyle Field Networking Lunch
1:00 PM	Sessions
	Corps Systems-Level Applications Ross
	Data Integration and AI in Knowledge Management - a soil carbon use case
	Hullabaloo Lightning Talk Session I
	Reveille Genomics I
	Traditions Disease Transmission Applications

	Oak Remote Sensing Applications
	Laurel Ad hoc Meeting/Work Space
2:30 PM	Conference Center Break
3:00 PM	Sessions
	Corps Responsible Use of AI in USDA Research: Opportunities and Risks
	Ross Soil Science Applications
	Hullabaloo Modeling I
	Reveille Lightning Talk Session II
	Traditions Computer Vision for Detection of Invasives, Foreign Objects, and Pathogens
	Oak Enterprising AI and Phenotyping through Digital Ag Systems Hub (DASH)
	Laurel Ad hoc Meeting/Work Space
	Eagle Protein Structure Prediction Applications
4.30 DM	

Wednesday, Nov 20, 2024

7:00 AM	Hall of Champions at Kyle Field Poster Display
7:00 AM	Morning Refreshments
8:00 AM	Practical Applications of Al across the USDA research portfolio
9:15 AM	Break
9:30 AM	Policy and Practice: Setting and Communicating Boundaries for Appropriate Use of AI
10:15 AM	Transition to Conference Center
10:30 PM	Sessions
	Corps Large Language Models
	Ross Applied Tools

2024 FORUM ON AI APPLICATIONS TO USDA SCIENCE -

	Hullabaloo Sustainability
	Reveille
	Food Science Applications
	Traditions Modeling II
	Oak Genomics II
	Laurel Ad hoc Meeting/Work Space
	Eagle Ad hoc Meeting/Work Space
12:00 PM	Hall of Champions at Kyle Field Networking Lunch
1:00 PM	Sessions
	Corps Collaboration and Education
	Corps Future Trends: Multimodal Learning
	Ross Computer Vision II
	Ross Moderated Panel: Al Opportunities at Federal Agencies
	Hullabaloo Training: Introduction to Machine Learning for Science
	Reveille Training: Al Project and Product Management
	Traditions Training: Data Preparation and Quality Assessment in Genome Assembly and Annotation
	Oak Robotics and Sensors
	Laurel Ad hoc Meeting/Work Space
	Eagle Ad hoc Meeting/Work Space
4:15 PM	Hall of Champions at Kyle Field Scientific Closing: Al Opportunities in Federal Agencies
	Faciliator Summary
	Review of Training
	Closing Remarks from the Forum Co-Organizers
5:30 PM	

Thursday, Nov 21, 2024

8:00 AM	Conference Center
	Morning Refreshments
9:00 AM	Sessions
	Corps Training: Predicting protein sequences and their functional roles using Al-driven bioinformatics tools
	Ross Training: From reads to variants: a pipeline for variant calling using DeepVariant
	Hullabaloo Training: Computer Vision I; introduction and image classification
	Reveille Training: Data management planning for Al
	Laurel Ad hoc Meeting/Work Space
	Eagle Ad hoc Meeting/Work Space
12:00 PM	Conference Center Networking Lunch
1:00 PM	Sessions
	Corps Training: Predicting functional roles of proteins using Al-driven bioinformatics tools
	Ross Training: Protein structure, prediction, search, and analysis with Al
	Hullabaloo Training: Computer Vision II; object detection and semantic segmentation
	Reveille Training: Spatial modeling with machine learning
	Laurel Ad hoc Meeting/Work Space
	Eagle REE Awards Production
4:30 PM	





