

Workshop for AI-Powered Materials Discovery at Great Plains sponsored by



Logistics and Announcements

Acknowledgement: NSF 2427805

Dongming Mei

June 22–25, 2025

Welcome and Overview

- **Workshop Title:** *AI-Powered Materials Discovery at the Great Plains*
- **Dates:** June 22–25, 2025
- **Location:** University of South Dakota (USD), Vermillion
- **Participants:** 216 attendees from institutions across the U.S.
- **Focus:** AI in materials science, education, and collaboration
- **Sponsorship:** National Science Foundation (NSF)

Main Venue

- **Event Location:** Muenster University Center (MUC), Ballroom, 216 A, 211A
- **Poster Session:** MUC Second Floor
- **Lab Tours:** Ge Crystal Growth Lab (campus map available)
- **Wi-Fi Access:** USD-Guest (no password required)

Key Contacts

- **Workshop Assistant:** Kushal Bhatta
- **On-site Logistics:** Austin Warren
- **Shuttle Service:** Kunming Dong
- **Photography/Media:** Hailie Warren (Group photo: June 23, 9:40 AM during coffee break), Shasika Panamaldeniya (Regular photos)
- **Emergency:** Campus Police (605-677-5342)

Meals & Transportation

- **Meals Provided:** Breakfast, lunch, and coffee breaks each day
- **Welcome Reception:** Evening of June 22
- **Shuttle Info:** Provided from Sioux Falls Airport to USD (check your itinerary)
- **Parking:** Permits are provided by the workshop

Goals of the Workshop

- Build interdisciplinary collaborations
- Foster collaboration among domain scientists for validation of experimental and simulated data
- Establish shared data and model standards
- Explore funding and project opportunities
- Promote regional innovation in materials discovery
- Strengthen regional AI education

Building the Future Together

- Shared infrastructure for data/model exchange
- Train AI-literate materials scientists
- Leverage regional strengths for national leadership

Takeaways

- Two White Papers (will be published on archive)
- AI is transformative for materials science
- Challenges exist, but collaboration is key
- This workshop launches a new research vision

Workshop Code of Conduct

- Purpose of Code of Conduct
 - Foster a **respectful, inclusive, and collaborative** environment
 - Encourage open exchange of ideas while ensuring **professionalism and safety**
 - Applicable to all workshop activities—talks, poster sessions, social events, and online interactions

Expectations for All Participants

- Treat everyone with **respect and courtesy**
- Refrain from **discriminatory, harassing, or disruptive** behavior
- Respect differing opinions and promote a **constructive dialogue**
- Follow instructions from organizers and adhere to workshop schedule

Unacceptable Behaviors

- Harassment, intimidation, or discrimination in any form
- Inappropriate or offensive verbal comments or visual material
- Disrupting talks, sessions, or networking events
- Taking photos of posters/presentations without permission

Reporting & Consequences

- **Report concerns** to any organizer or via anonymous feedback link (if applicable)
- Violations may result in **removal from the event** and notification to home institution or funding agencies
- We are committed to responding promptly and confidentially

Thank You

- Let's work together to make this workshop a **positive and enriching experience for everyone!**
- Questions? Contact workshop organizers at: kushal.Bhatta@coyotes.usd.edu