MEETING OVERVIEW

The Community for Advancing Discovery Research in Education (CADRE), the resource network for NSF DRK–12 awardees, is pleased to host the 2020 DRK–12 PI Meeting. The purpose of the meeting is to engage the DRK–12 community in

- Building and sharing new knowledge, best practices, and tools critical to increasing the impact and sustainability of our collective work over time
- Developing and maintaining professional connections that may result in future collaborations and innovations
- Supporting attendees at different stages of their careers

The meeting will provide opportunities for learning, networking, and substantive conversations for approximately 350 participants, including DRK–12 awardees, NSF program directors, CADRE Fellows, postdocs, and guests.

The 2020 DRK–12 PI Meeting will take place on June 3–5 at the Washington Wardman Park Marriott Hotel in Washington, D.C. The meeting will officially begin the afternoon of June 3 and end midday on June 5. Invited projects are allowed one registrant (PIs are encouraged to attend) during the initial registration period. At the end of that period, if space remains, CADRE will open registration to additional project members.[1]

CALL FOR PROPOSALS

CADRE, NSF, and the DRK–12 PI Meeting Committee[2] are pleased to announce a Call for Proposals. The Call for Proposals is informed by the input of the DRK–12 PIs through survey responses, past DRK–12 PI Meeting evaluations, NSF, and the PI Meeting Committee.

Session Content
CADRE invites proposals for awardee-led concurrent sessions that are responsive to the purpose of the meeting and address topics of potential interest to subgroups of PIs. Sessions should go beyond a simple showcase of project work. Rather, sessions should address multiple perspectives on individual focal topics outlined below, or across topics. We also invite sessions that address other areas of interest to the DRK–12 community and that will advance the knowledge and impact of our research and development efforts.

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[1] Additional information about meeting logistics and registration will be sent separately.
[2] The 2020 DRK–12 PI Meeting Committee and advisors include Jody Bintz, BSCS Science Learning; Jose Blackorby, CAST; Paul Cobb, Vanderbilt University; Zandra de Araujo, University of Missouri; Ximena Dominguez, Digital Promise; Marcia Linn, University of California, Berkeley; Jamie Mikeska, Educational Testing Service (ETS); and Eric Wiebe, North Carolina State University.

Focal topics of the 2020 DRK–12 PI Meeting:
- Innovation & Advancing Knowledge:
  - Where is there evidence that DRK-12 is advancing knowledge in teaching, learning, and assessment?
  - What challenges present the most pressing need for new innovation? Around which research areas is there a need for more empirical evidence?
  - What innovations in research design, methods, and instruments have the potential to contribute to our capacity to advance knowledge?
- Equity & Inclusion:
  - What innovative approaches are DRK-12 projects using to address issues of equity and inclusion in STEM education?
  - What factors have promoted or hindered how we have addressed equity and inclusion in our programs, interventions, and/or research?
  - What key equity and inclusion challenges have yet to be effectively addressed by DRK-12?
- Building Partnerships:
  - What do we know about the connections between the types of partnerships DRK-12 projects engage in, with whom they partner, the purposes for partnering, and the nature and structure of those partnerships?
  - In what ways have various factors (e.g., cultural, political, and historical) contributed to or hindered partnership building?
  - Where are there missed opportunities for partnerships? What are the implications of who we are or are not collaborating with?
- Sustainability & Scaling Projects:
  - How and when do we know if an innovation warrants scaling or sustaining?
  - What issues do we need to consider during various stages of project development and implementation in order to sustain and scale our work?
  - What are special considerations for sustaining or scaling different kinds of innovations (e.g., technologies, web-based resources, professional development models)?
  - What factors influence successful scaling of innovations at different levels of the education system?

We also welcome you to consider questions that cross focal areas, for example:
- What are the implications or consequences of choices to foreground vs background certain issues and/or the approaches we use or don't use across these foci?
- What role do partnerships play in sustainability and scaling efforts?
- What culturally responsive research methodologies and instruments are being developed to support improved STEM teaching and learning for all?

Session Structures
Awardees are invited to submit proposals within the following session formats:
- *Topical Session* (1.5 hours)
  Topical sessions must involve the collaboration between multiple projects to develop a topic, lead the session, and facilitate discussion. Topical sessions provide multiple perspectives on specific aspects of the focal topics, approaches to common challenges in

DRK–12 work and research, and/or responses to a question that might inform other projects.

- *Structured Poster Session* (1.5 hours)
  Structured poster sessions usually involve five (5) or more projects, allow participants to view posters of the presenting projects, and include a panel and/or discussion. (*Note that all projects are invited to present a poster in the general Poster Hall; however, projects participating in structured poster sessions need not participate in the general poster session.)*

- *Technical Assistance Session* (1.5 hours)
  Technical assistance sessions provide knowledge and skill building (e.g., methods, instrument design) to session participants. A single presenter or multiple presenters may share technical, conceptual, and/or methodological innovations and expertise.

- *Working Session* (1.5 hours)
  Working sessions are focused on engaging small groups of participants in producing a concrete deliverable. As an example, a working session might produce an outline for a synthesis study by documenting the literature, theories, and perspectives that different projects are building on, identifying the areas in which projects are contributing, and articulating questions that still need to be addressed.

Proposal Submission Instructions
Please submit your proposal online no later than COB March 16, 2020.

Since you will not be able to return to the site and edit your submission, we suggest that you collect the required information ahead of time—using the [template](#) as a guide—and transfer the information to the survey when ready.

Proposals should include the following:
- Session title
- Session format
- Content area: STEM and computer science discipline(s)
- Grade band(s) or grade level(s)
- Target audience(s) (e.g., students, teachers, in-school, out-of-school, urban, rural)
- Question or issue that is the primary focus of the session
- Session summary (limited to 25 words)
- Session description (limited to 250 words, no graphics): Include how the session addresses the topic, objectives, structure/format, plan for interaction with the participants of the session, and expected outcomes. Proposals that do not define a specific plan for participant engagement will not be considered.
- Presenter(s) information (i.e., name, organization, contact information)[3]

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[3] Lead presenters must be awardees invited to and registered for the 2020 DRK–12 PI Meeting. Each presenter is allowed to lead only one session but may be a co-presenter on more than one session.

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Review Process

Proposals will be reviewed by the PI Meeting Committee and CADRE staff. The final agenda will combine sessions and interactions that are varied in structure and content. If a session is chosen for inclusion in the meeting, the session contact person will be notified by mid-April. Additional conversations between CADRE and presenters to discuss the session in order to ensure quality and coherence across the agenda may be required.

Criteria for selection follow:
- A complete proposal (i.e., containing all relevant elements outlined in Proposal Submission Instructions above)
- Effective plan to engage session participants in discourse and/or activity that has the potential to benefit the participants, such as when a product is developed, new ideas are generated and documented, and materials are shared.
- Potential to generate new insights or research directions for the DRK–12 community as well as the field at large.

Additional Information
- CADRE encourages grantees to coordinate sessions with colleagues across institutions and projects. For those interested in finding colleagues engaged in work that may, when paired together, create the basis for a compelling session, we have emailed meeting invitees a list of projects invited to the meeting and encourage you to visit CADREK12.org to learn more about their awards. You may also contact cadre@edc.org for information about possible matching projects.
- The concurrent sessions will be scheduled for June 4 and 5.
- Each meeting room will be set up in rounds and have a projector and screen. Laptops, extension cords, and speakers will not be available unless specifically requested.
- **All presenters must submit their presentation materials to CADRE prior to the meeting.** Presentation materials will be posted on CADREK12.org.
- More information about presenter responsibilities, subsequent deadlines, and session logistics will be sent to those whose proposals are accepted.

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SUBMIT NOW
Deadline is March 16, 2020

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QUESTIONS? Email cadre@edc.org