

### Successful virtual conference

Creativity, resourcefulness, and persistence were on display at the ND EPSCoR 2021 State Conference. The conference was an impressive snapshot of the work done by students and faculty at two research universities, one master's college university, three primarily undergraduate institutions, and five tribal colleges.

Things were slightly different this year; our typically in-person meeting was a virtual experience because of the pandemic. This variation from our traditional format to an online space allowed for an assortment of concurrent sessions and unique ways for attendees to engage with faculty and student researchers. The annual conference was an opportunity for many EPSCoR-funded participants to talk about their work over the past year. Students from across ND, outside of EPSCoR projects, also presented virtual posters on their research efforts.

Each faculty member and student participating in the Center for Regional Climate Studies (CRCS), the Center for Sustainable Materials Science (CSMS), and the Center for Cellular Biointerfaces in Science and Engineering (CCBSE) and the related broader impact components of EMPOWERED-ND and PROSPER (respectively) helped contribute toward the goals and objectives set for each center over the past year. When looking at the outcomes/outputs from the two Track-1 cooperative agreements, INSPIRE-ND engaged 11,919 people in STEM activities through the efforts of 1,167 participants at 11 institutions over the past seven years, including 30 senior personnel, 321 graduate students, and 321 undergraduate students. While ND EPSCoR's most recent Track-1 cooperative agreement, New Discoveries in the Advanced Interface of Computation, Engineering, and Science (ND-ACES), already has 119 participants at ten institutions, including 42 senior personnel, 30 graduate students, and 20 undergraduate students during its first year.

This year's conference was a celebration of research and outreach. This year's virtual event brought together faculty, students, and the community to celebrate the

STEM endeavors taking place within our participating institutions via the virtual Symposium platform, which hosted 120 virtual poster presentations and 14 different live sessions. This year's virtual meeting featured both student and faculty speakers from ND EPSCoR-participating institutions across the state.



This format allowed for new and varied engagement opportunities that were not available at previous in-person events. The virtual conference website had 775 visits, and the 120 virtual poster presentations had 6,180 unique views, with a total of over 130 hours spent by registrants engaging with the content.

If you could not join us live on April 14, we invite you to register for the event to view the recorded content on our [Symposium event page](#). You can read more about this year's conference on [page 2 of this issue](#).

Thank you to everyone who connected with us virtually and celebrated each of these successes at our 2021 state conference event. I hope that you are, and will continue to be, well.

Regards,  
**Kelly A. Rusch, Ph.D., P.E., BCEE**  
ND EPSCoR Executive Director



## ND EPSCoR 2021 State Conference highlights

The ND EPSCoR 2021 State Conference was a virtual event this year that featured both synchronous and asynchronous presentations regarding the ND EPSCoR-sponsored research and outreach for the past year throughout North Dakota. Although much of the conference's emphasis was devoted to the Track-1 awards, STEM students who were not funded by either of the Track-1 cooperative agreements were also invited to present their research.

Since the 2021 conference represented the work of the seventh year of the INSPIRE-ND Track-1 award and the first year of the ND-ACES Track-1 award, faculty, and students who had been funded through those projects presented their work, giving a glimpse into the breadth of research and STEM education and outreach inquiry.

### External Advisory Board (EAB)

One of the behind-the-scenes resources involved in the Track-1 cooperative agreement is the input of the External Advisory Board, a group of experienced professionals in key fields who understand and support the research being conducted. The EAB consists of nine individuals who provide helpful direction and keen insights about research and outreach efforts. The ND-ACES EAB gathered virtually on April 13, 2021 to hear presentations on all aspects of the project.

The ND-ACES EAB members are:

- **Candan Tamerler**, Ph.D., EAB Chair, Associate Dean of Research, School of Engineering, Wesley G. Cramer Professor, Department of Mechanical Engineering, University of Kansas, Lawrence, KS
- **Tejal Desai**, Ph.D., EAB Vice Chair, Ernest L. Prien Endowed Professor and Chair, Bioengineering & Therapeutic Sciences Department, School of Pharmacy, University of California - San Francisco, San Francisco, CA
- **Marc D. Basson**, M.D., Ph.D., M.B.A., F.A.C.S., Senior Associate Dean for Medicine and Research, Professor of Surgery, Pathology, and Biomedical Sciences, UND School of Medicine & Health Sciences, Grand Forks, ND
- **James Brown**, Ph.D., CEO and President, Agathos Biologics, West Fargo, ND
- **Annalies Corbin**, Ph.D., President & CEO, The Past Foundation, Columbus, OH

- **Larry Henry**, Retired K-12 teacher and administrator, Ojibwa Indian School, Belcourt, ND
- **Sinan Keten**, Ph.D., Associate Professor of Civil & Environmental Engineering, Associate Professor of Mechanical Engineering, Director of Graduate Studies in Mechanical Engineering, Northwestern University, Evanston, IL
- **David Pearce**, Ph.D., President of Innovation and Research, Sanford Research, Sioux Falls, SD
- **Daniel M. Tuvin**, M.D., F.A.C.S., Surgical Oncologist, Sanford Health, Fargo, ND

### Conference presentations

The ND EPSCoR annual conference was Wednesday, April 14, 2021. A warm welcome and update on the Track-1 impacts were given by **Kelly A. Rusch** (below). Attendees were also greeted by ND's three U.S. Congressional members, **Senator John Hoeven**, **Senator Kevin Cramer**, and **Representative Kelly Armstrong**.

ND EPSCoR

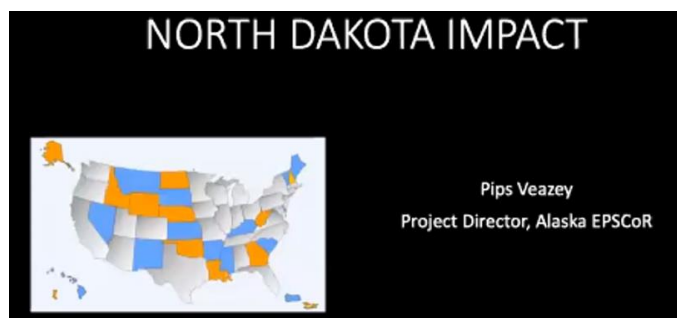


**Jose Colom-Ustariz**, Ph.D., provided an overview from the National Science Foundation (NSF). As the RII Track-1 program director for North Dakota, he outlined the current emphasis areas within NSF and provided an overview of some of the EPSCoR-specific programs. Also, he encouraged attendees to pursue other funding avenues available through NSF as they build collaborations across institutions and jurisdictions.

The remaining agenda for the day was a mix of presentations from ND-ACES, CRCS, and CSMS faculty and student researchers, as well as the ND-ACES PROSPER broadening participation outreach arm and additional panels and keynote addresses on a variety of STEM topics. The schedule also provided times for virtual poster question and answer sessions with the authors.

### Keynote presentation

**Pips Veazey**, Ph.D., Alaska EPSCoR Project Director, delivered the afternoon keynote address. Her presentation on Team Science provided insights into how large teams collaborate effectively (pictured below).

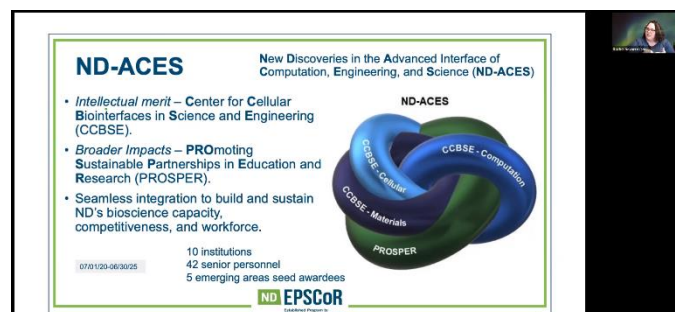


The afternoon keynote address was immediately followed by a panel on STEM-based Indigenous Knowledge featuring **President Cynthia Lindquist** (CCCC), **President Twyla Baker** (NHSC), **President Donna Brown** (TMCC), **Mafany Ndiva-Mongoh** (SBC), and **Mandy Guinn** (UTTC). The session provided the unique perspective on STEM-based Indigenous Knowledge of each of the panelists and further featured an engaging dialogue with the audience.

The conference also offered an ABCs of Patents and Commercialization panel featuring **Holly Gabriel**, Business, Government Documents, & Patents Librarian at UND; **Jolynne Tschetter**, Executive Director, Industry Engagement & Intellectual Property (NDSU); **Amy Whitney**, Director, Center for Innovation (UND); and **Brian Kalk**, Executive Director, Research and Technology Park (NDSU).

### **ND-ACES presentations: Center for Cellular Biointerfaces in Science and Engineering (CCBSE) and PROMoting Sustainable Partnerships in Education and Research (PROSPER)**

The CCBSE presentations featured a variety of student and faculty speakers. The presentations reflected the three scientific pillars of ND-ACES: 1) materials design at biointerfaces; 2) cellular systems at materials interface; and 3) computation, machine learning, and predictive modeling. Additionally, the ND-ACES sessions featured speakers from PROMoting Sustainable Partnerships in Education and Research (PROSPER), the broadening participation arm of the project.



**Rachel Navarro** (UND) provided an overview of ND-ACES (pictured above). Navarro is one of the Leads of the Education and Workforce Development PROSPER element, which supports faculty professional development, student training, and K-12 student bioscience, engineering, and computational exposure. Broadening Participation element Lead **Van Doze** (UND) presented an overview of student support along the biosciences pathway. The science communication theories behind the communication and dissemination activities planned for ND-ACES were presented by Communication and Dissemination Lead **Zoltan Majdik** (NDSU).

Graduate students **Haneesh Jasuja** (NDSU; advisor: **Kalpana Katti**), **Babak Mamnoon** (NDSU; advisor: **Sanku Mallik**), **Sharad Jaswandkar** (NDSU; advisor: **Dinesh Katti**), and **Sarah Reagen** (UND; advisor: **Julia Xiaojun Zhao**) were speakers at the ND-ACES sessions. They provided insights into their work as student researchers on the project.

**Kalpana Katti**, NDSU Lead of the CCBSE, started the first ND-ACES session by providing a research overview in her presentation titled, "Next Generation Bone Metastasis Cancer Testbed." **Joshua Steffan** (DSU) presented in conjunction with **Claire Zumbach** (DSU), an undergraduate student researcher he advises, providing a unique perspective and an overview of their work within the Cellular Systems at Materials Interface Pillar.

**Jerome Delhommelle** and **Dinesh Katti** presented an overview of the Computation, Machine Learning, and Predictive Modeling Pillar components, of which Katti is the NDSU lead and Delhommelle is a UND researcher. Delhommelle's presentation focused on using machine learning for early cancer detection, and Katti's presentation was on developing a mechanobiological measure of disease progression.

The afternoon ND-ACES session featured Cellular Systems at Materials Interface Pillar UND Lead **Archana Dhasarathy** and her overview of basic and translational use of in vivo-like 3D cell cultures.

## Center for Regional Climate Studies (CRCS) presentations



As two of the CRCS leads, **Jianglong Zhang**, professor in UND's Atmospheric Sciences, and **David Roberts**, professor in NDSU's Agribusiness and Applied Economics department, each presented overviews of the CRCS efforts and the impact of climate on agriculture. Fellow faculty speakers during the CRCS session included **Anne Denton** (NDSU) and **Eric Brevik** (DSU). Denton spoke on the topic of high-precision window-based features while Brevik's presentation was titled "Changes in Soil Physical and Chemical Properties During Transition from CRP to Production Agriculture."

The CRCS session also featured graduate student speakers **Kaela Lucke** (UND; advisor: **Aaron Kennedy**) and **Mohammed Hadi Bazrkar** (NDSU; advisor: **Xuefeng Chu**). They provided insights into their work as graduate student researchers within CRCS as the INSPIRE-ND cooperative agreement comes to an end on June 30, 2021.

## Center for Sustainable Materials Science (CSMS) presentations



The CSMS session provided a variety of topics and speakers. **Chad Ulven** (NDSU), **Khwaja Hossain** (Mayville State), **Alena Kubatova** (UND), and **Andriy Voronov** (NDSU). Ulven's presentation (pictured next column) gave attendees an overview of the future of CSMS after the seventh and final year of the INSPIRE-ND cooperative agreement, which ends on June 30, 2021. Additionally, Ulven provided an overview of some of the center's achievements to date. Hossain provided attendees with an overview of his research into the utilization of wheat bran as industrial resources. Kubatova, in her presentation titled "Lignomics = Lignin Characterization," spoke about the importance of this topic and why it matters. The final speaker of the CSMS session was Andriy Voronov. His presentation was titled "Monomers, Polymers and Polymeric Materials based on Plant Oils."



## Where to go from here?

Chad Ulven, PhD, Professor and Associate Chair  
Mechanical Engineering Department, NDSU  
Center for Sustainable Materials Science (CSMS)



Graduate student speakers were **Meade Erickson** (NDSU) and **Andrew Kalbach** (NDSU). Erickson and Kalbach provided insights into their graduate studies and research within CSMS.

### Virtual posters

The student and faculty research posters looked a little different this year. To adapt the posters to the virtual experience, poster authors developed recorded virtual poster presentations. Also, they participated in live question and answer sessions on the day of the virtual conference. Each virtual poster had its own webpage and comments panel where attendees and authors could engage with each other in the two weeks leading up to the conference.

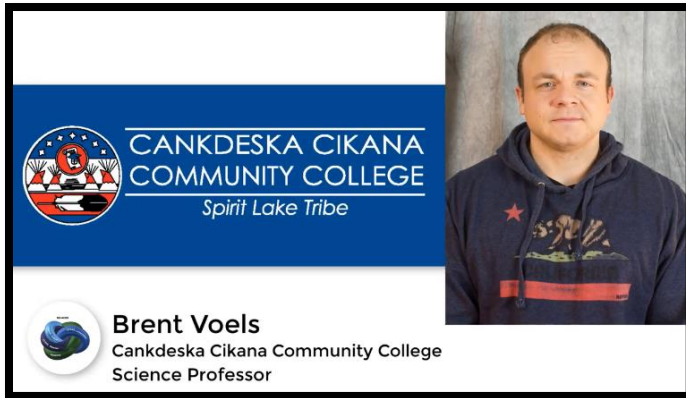
One hundred twenty virtual posters were presented at the conference. These presentations received 6,180 unique views and 331 comments. Attendees of the conference spent a total of over 130 hours engaging with the content. Feedback survey results showed that the virtual posters were one of the most enjoyed features of the conference.

### Meet the Scientist video series

ND EPSCoR thanks ND-ACES Materials Design at Biointerfaces Pillar researcher **Brent Voels** (CCCC) for allowing our cameras to capture his research and outreach efforts. Voels talks with ND EPSCoR about teaching, ND-ACES research, and STEM outreach across ND in his Meet the Scientist video.

In the video (linked in the picture below), Voels, a Science Instructor at Cankdeska Cikana Community College, discusses the importance of the ND-ACES research and its impact on students.

You can learn more about the Materials Design at Biointerfaces pillar in our [August 2020 issue of News & Notes](#).



You can find more information about how the ND EPSCoR State Office seeks to help improve STEM education and to build a pathway for students in North Dakota who are interested in pursuing careers in STEM disciplines on our [Education page](#).

[Subscribe to our channel on YouTube](#) as we continue to feature the voices of ND-ACES student and faculty researchers at participating institutions across North Dakota.

You can find details and videos of our earlier visit to Dickinson State University in News & Notes' [November issue](#). Videos from our prior visits to North Dakota State University and the University of North Dakota can be found in News & Notes' [December issue](#). Videos from our visits to Mayville State University and Minot State University can be found in News & Notes' [January issue](#).

## ND EPSCoR ND-ACES Emerging Areas Seed Awardee receives NSF CAREER Award



**Ravi Yellavajjala** (left) (NDSU, ND-ACES Emerging Seed Awardee) recently received the National Science Foundation's (NSF) Faculty Early Career Development Program (CAREER) award. The prestigious CAREER program recognizes excellent early-career faculty and helps support research endeavors.

CAREER awards are highly competitive, and they include grant funds for research and education activities for five consecutive years, providing faculty with the opportunity to pursue their research. Yellavajjala is among the recent NSF award recipients and has an ambitious project in the works.

Yellavajjala is an assistant professor in the department of civil and environmental engineering at North Dakota State University. After finding out he received the prestigious award, it took some time for it to all sink in. Soon, however, Yellavajjala began planning. "I spent all winter break contemplating how I can make use of every dollar to promote education and research at North Dakota State University, in North Dakota, and beyond."

Through his CAREER award, Yellavajjala will explore the ability to manufacture small-scale components and test them using the limited facilities available to everyone. Currently, Yellavajjala noted, the fabrication and production of steel castings for steel buildings are costly, "These castings are geometrically complex and very large. That means that they require special test facilities. Many places in the US and elsewhere in the world don't have those test facilities."

Yellavajjala hopes that, based on the tests performed on small-scale specimens, the behavior of the full-scale structural steel castings can be understood. "As of now, the US imports a lot of steel from outside of the US. If this method becomes successful, we should be able to cut down on our steel imports and stimulate a lot of growth in the casting industry," noted Yellavajjala, adding that the casting industry is very labor-intensive.

In addition to coming up with a method to test steel casting models using very small test facilities, Yellavajjala also has a comprehensive educational plan. "The good thing about this project is that it will help me attract students who might be interested in these areas, and it will be very good for the development of the workforce within North Dakota and the Upper Midwest."

Yellavajjala's project will directly benefit two Ph.D. students and one Ph.D. student that his department will partially support, but his broader outreach efforts will have a more significant impact. "The outreach is going to benefit many more students. The central aim of the outreach is to see how I can improve the enrollment and retention of Native American students," said Yellavajjala. "We are among the five states in the entire country where the population of Native Americans is more than 5% of the overall population, so that means that they're quite underrepresented in our department and also in the college of engineering. So, initially, what I have done is I worked with the NATURE program to get an opportunity to talk to students, especially the middle schoolers and high schoolers."

As a part of his CAREER award project, Yellavajjala plans to offer a five-day statistics workshop each

summer, allowing students to experience statistics in their day-to-day activities.

Yellavajjala is also the academic advisor for the steel bridge team at NDSU, a role he has had for the past four years. “The idea is to help students do some reduced scale modeling. That allows us to involve the freshman and allow them to have some hands-on experience that will help us with retention.” He also plans to implement a comprehensive mentoring program. “Mentors and mentees will talk to each other at least once every two months,” said Yellavajjala.

Yellavajjala is also a current ND EPSCoR ND-ACES Emerging Areas Seed Awardee, working in collaboration with the Computational Approaches Pillar. “I pursue science, and science will have a lot of applications in different areas and rightly so. In the end, this project is about artificial intelligence (AI) and how images that are obtained from the lab are interpreted, but the exact same AI which I'm going to use for cancer applications is equally or, even more, applicable for my project. So the underlying science is exactly the same although the applications on the periphery might look different.”

When asked about the process leading up to receiving his NSF CAREER Award, Yellavajjala acknowledged the importance of the grants he has received from the ND EPSCoR State Office and from ND-ACES. “I attribute a lot of my success to getting seed grants. ND EPSCoR supports the young faculty through seed grants, and they are very, very important.”

## A variety of NATURE activities will be offered this summer

By **Scott Hanson**, ND EPSCoR Tribal Colleges/Universities Liaison Manager (right)



The planning process for the summer NATURE activities is in full swing, and the NATURE coordinators at each Tribal College or University (TCU) are an integral part of that. The NATURE coordinators are:

- **Chris Dahlen** at Cankdeska Cikana Community College
- **Kerry Hartman** at Nueta Hidatsa Sahnish College
- **Mafany Ndiva-Mongoh** at Sitting Bull College
- **Austin Allard** at Turtle Mountain Community College

The TCU coordinators have been busy planning activities for the 2021 TCU Summer Camp. Because the CCCC, SBC, and TMCC campuses have decided to be virtual this summer, we are planning virtual activities that can be delivered to individual participants in the form of a self-contained STEM kit. If NHSC decides to be in-person this summer, we will plan for in-person activities as well.

This year will be the third year for the Bridge Camp for seniors graduating this May. It is likely to be virtual and will familiarize participants with the expectations of college and the challenges they will face in college. We will have a variety of STEM projects for them and are in the process of planning the specifics.

The University Summer Camp will be virtual this year and will run from June 2 to July 14. **Justin Berg**, associate professor of psychology at UND, who will serve as the associate coordinator for the UND campus, is new to the camp this year. **Uwe Burghaus**, associate professor of chemistry and biochemistry at NDSU, will be the associate coordinator for the NDSU campus again this year. The university summer camp will consist of virtual lab tours, zoom meetings with NDSU and UND faculty, a cyberinfrastructure activity, and online research projects.

## CIRCLES Alliance survey and interview opportunities

The ND EPSCoR State Office has joined with five other EPSCoR states (Idaho, Montana, New Mexico, South Dakota, and Wyoming) in a National Science Foundation-funded collaborative research project that forms an Alliance to connect with tribal community members within those states to gain a better understanding of each community's definition and perspective of STEM (science, technology, engineering, and mathematics). Initially, Alliance members planned to visit each tribal community, but with COVID-19 continuing, the Alliance has decided to make virtual connections. Using a common set of questions across the six-state CIRCLES (Cultivating Indigenous Research Communities for Leadership in Education and STEM) Alliance, participants input is being gathered through virtual interviews over Zoom or through an online survey with tribal community stakeholders to gain their perspective on how indigenous based STEM education is currently being incorporated or might be incorporated in the future, to support student STEM

learning. To participate in an interview or survey, you must be 18 years or older.

The ND EPSCoR State Office has created a [link to a 90-second video](#) that describes these efforts. The anonymous online survey is [available at this link](#). Additionally, ND EPSCoR is conducting individual virtual interviews. If you would prefer to participate in an individual interview, please [email Scott Hanson](#), ND EPSCoR Tribal Colleges/Universities Liaison Manager, or call 701-231-8606.

This effort aims to foster better connections with tribal communities and support STEM educational programming. Working toward that goal, the ND EPSCoR State Office humbly requests your assistance in completing this survey or contacting us to set up a virtual interview. The CIRCLES Alliance believes this is a particularly poignant time to reflect on observations regarding indigenous based STEM education the COVID-19 pandemic has brought some new challenges into focus. [Learn more about the North Dakota CIRCLES effort here](#).

## Events and trainings

### Responsible Conduct of Research (RCR)

RCR training with STEM Manager Shireen Alemadi is available upon request to augment initial campus or Collaborative Institutional Training Initiative (CITI) RCR trainings. Please [contact Shireen Alemadi](#) to schedule.

## Activities of note

### ND-ACES participants publish

Congratulations to the following **ND-ACES and INSPIRE-ND faculty and student participants** on their recent publications:

- Evaluation of quasi-static and dynamic nanomechanical properties of bone-metastatic breast cancer cells using a nanoclay cancer testbed. Kar, Sumanta; **Katti, Kalpana S.; and Katti, Dinesh R.** (December 2021, Scientific Reports).
- Chemo-specific designs for the enumeration of circulating tumor cells: advances in liquid biopsy. Singh, Balram; Arora, Smriti; D'Souza, Alain; Kale, Narendra; Aland, Gourishankar; Bharde, Atul; **Quadir, Mohiuddin**; Calderon, Marcelo; Chaturvedi, Pankaj; Khandare, Jayant.

(December 2020, Journal of Materials Chemistry B.)

- New side chain design for pH-responsive block copolymers for drug delivery. Ray, Priyanka, Kale, Narendra; **Quadir, Mohiuddin.** (February 2021, Colloids and Surfaces B: Biointerfaces)
- Predicting the Glass Transition of Amorphous Polymers by Application of Cheminformatics and Molecular Dynamics Simulations. Karuth, Anas; Alesadi, Amirhadi; **Xia, Wenjie; Rasulev, Bakhtiyor.** (March 2021, Polymer).

The links to these publications can be found in the [National Science Foundation's \(NSF\) Public Access Repository \(PAR\)](#) or on [the ND EPSCoR website](#).

### INSPIRE-ND CSMS student received NDSU Libraries Undergraduate Research Award

ND EPSCoR INSPIRE-ND student researcher **Marvellous Ngongang** (NDSU) received the NDSU Libraries Undergraduate Research Award.

This award is for her research within **Bakhtiyor Rasulev's** lab, together with graduate student **Meade Erickson**, to model refractive indices of polymers. She is using NDSU Libraries resources to collect data for this project. Congratulations Marvellous!

### ND-ACES Cyberinfrastructure (CI) Assistant presents at a meeting of Women in High-Performance Computing (WHPC)

ND EPSCoR ND-ACES CI Assistantship awardee **Jingyan Fu** (NDSU) will speak at the Women in High-Performance Computing (WHPC) virtual meeting on April 28, 2021. She will talk about her background, journey, and research focus in high-performance computing. Congratulations Jingyan!

## Funding opportunities

### Distributed Research Experience for Undergraduates (dREU)

This ND EPSCoR ND-ACES program gives undergraduate students – from the nine participating campuses - three Primarily Undergraduate Institutions (PUIs), one Master's College/University (MCU), three Tribal Colleges/Universities (TCUs) located in ND, or the two Research Universities (RUs) – the opportunity to work in the CCBSE alongside NSF Track-1 faculty researchers on their cutting-edge research projects. For more information, see the [Request for Applications](#). Please be aware of the following application deadlines:

- Summer 2021 Application Deadline: Noon, May 6, 2021
- Academic Year 2021 Application Deadline: Noon, July 29, 2021
- Full Year 2021 – 2022 Application Deadline: Noon, July 29, 2021

#### Doctoral STEM Teaching Assistantship ND-ACES (NDSU/UND only)

ND EPSCoR ND-ACES Doctoral STEM Teaching Assistantship program is designed to increase NDSU/UND doctoral students' understanding of and experience in STEM teaching and research involving undergraduate students. These semester-long placements (Fall 2021 or Spring 2022) at a Tribal College/University (TCU), Primarily Undergraduate Institution (PUI), or Master's College/University (MCU) in North Dakota involve teaching and research duties under the direction of faculty research participants in ND EPSCoR's National Science Foundation (NSF)-funded New Discoveries in the Advanced Interface of Computation, Engineering, and Science (ND-ACES) project in the areas of materials design, cellular systems, or computational approaches. [Click here](#) for more information about ND EPSCoR's ND-ACES project. [Click here](#) for a list of ND-ACES faculty researchers at the TCUs, PUIs, and MCU. For more information, see the [Request For Applications](#). Open until filled.

#### DEPSCoR Regional DoD Day

The Department of Defense (DoD) has asked the University of South Dakota to host a regional DEPSCoR DoD Day, where DoD program managers will provide information about the DEPSCoR program and general information about working with the DoD. The regional DEPSCoR Day will be held on a date to be determined in Vermillion, SD. For more information, please see: [DEPSCoR Regional DoD Day](#)

#### EPSCoR Workshop Opportunities

EPSCoR is designed to fulfill NSF's mandate to promote scientific progress nationwide, and NSF EPSCoR welcomes proposals for workshops in Solicitation NSF 19-588. These workshops focus on multi-jurisdictional efforts of regional to national importance related to EPSCoR's goals and NSF's mission. For more information, please see the RFP: [EPSCoR Workshop Opportunities](#)

## Participating campus acronyms

- Master's College/University (MCU)
  - Minot State – Minot State University
- Primarily Undergraduate Institutions (PUIs)
  - DSU – Dickinson State University
  - Mayville State – Mayville State University
  - VCSU – Valley City State University
- Research Universities (RUs)
  - NDSU – North Dakota State University
  - UND – University of North Dakota
- Tribal Colleges/Universities (TCUs)
  - CCCC - Cankdeska Cikana Community College
  - NHSC – Nueta Hidatsa Sahnish College
  - SBC – Sitting Bull College
  - TMCC - Turtle Mountain Community College
  - UTTC – United Tribes Technical College

## Stay in touch

Our mailing address is:

ND EPSCoR  
1805 NDSU Research Park Drive N  
Fargo, ND 58102  
701-231-8400

[www.ndepscor.ndus.edu](http://www.ndepscor.ndus.edu)

email: [ndepscor@ndus.edu](mailto:ndepscor@ndus.edu)

Twitter: [@NDEPSCoR](https://twitter.com/NDEPSCoR)

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- Prior newsletters, [http://bit.ly/EPSCoR\\_Newsletters](http://bit.ly/EPSCoR_Newsletters)
- Submit stories to: <https://bit.ly/epscorsubmitnews>
- To be added to the newsletter mailing list, please email [ndepscor@ndus.edu](mailto:ndepscor@ndus.edu), subject line: newsletter.

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