



2023 Midwest Annual Robert Noyce Conference Program Agenda

**“Accessing, Engaging, & Building upon STEM Students’ Lives,
Communities, and Experiences”**

**Double Tree by Hilton
Little Rock, AR**

February 24–26, 2023

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Friday, February 24

Poster Session and Networking Event

5:00 PM Onsite Registration until 9:00 PM

6:45 PM Poster Set Up

7:00 PM NETWORKING EVENING - Poster Session / Introductory Session with hors d'oeuvre

- Dr. Jessica Krim, Southern Illinois University Edwardsville

Poster #	Author Name	Presentation Title	Institution Name
1	Amanda Gonczi; Jackie Huntoon; Shari Stockero; Stephanie Tubman; Kari Keith Michigan; Katie Bryant Michigan	Developing Teacher Leadership: Michigan Middle School Master Teachers Fellowship Program	Michigan Technological University
2	Barbara Ehlers; Jeremy Durelle; Matthew Simon	Mentoring Amazing Science Teacher Education Recruits (MASTER): Partnership with Upper Iowa University (UIU) and Northeast Iowa Community College (NICC)	Upper Iowa University and Northeast Iowa Community College
3	Dawn Kahler; Lori Hurley; Darci Merallot; Amanda Algonczi; Jaqueline Huntoon	Co-generative Dialogues: Mechanisms to Improve Student Engagement and Inspire Teachers During COVID	Michigan Technological University
4	Janet Stramel	Learning Where We Live: A Focus on Air	Fort Hays State University
5	Kedmon Hungwe; Amanda Gonczi; Jackie Huntoon; Shari Stockero; Stephanie Tubman; Kari Keith; Katie Bryant	Developing Teacher Leadership: Michigan Middle School Master Teachers Fellowship Program	Michigan Technological University
6	Lara Smetana; Timothee Staley; Aleyna Bartnick	Development of a Pre-Service Teacher Summer Research Experience Program	Loyola University Chicago
7	Leah Peitzmann	How Can Teachers Help Anxious Students?	Loyola University Chicago
8	Marlissa Stauffer; Young Mi Chang	Preliminary assessment of STEM teacher candidates' efficacy in applying Universal Design for Learning and Culturally Relevant Teaching	Ohio Dominican University
9	Todd France	Workshop Previews: Math-Focused Problem-Based Learning + Engineering-Focused Project-Based Learning	Ohio Northern University
10	Nicolle von der Heyde	2023 Summer Workshops Information	Illinois State University

9:00 PM Poster take down

Saturday, February 25

Opening Plenary Session: Dr. Bonnie Green

8:00 AM Registration and Breakfast - *available in the Foyer, eat in Salon D*

8:40 AM Opening Plenary Session – *Salon D*

- Dr. Jessica Krim, Southern Illinois University Edwardsville
 - **Dr. Bonnie Green.** Dr. Green is a Program Director at the National Science Foundation (NSF) in the Division of Undergraduate Education in the Directorate of Education and Human Resources

Keynote Speaker: Dr. Christi Bergin

9:00 AM Keynote – *Salon D*

- Dr. Jessica Krim, Southern Illinois University Edwardsville
 - **Dr. Christi Bergin** (Ed.S, Ph.D. Stanford University) is Associate Dean of Research and Innovation in the College of Education and Human Development at the University of Missouri. Q&A will follow the presentation.

Session 1: 10:00–11:00 AM (abstracts for the presentations can be viewed on Whova App)10:00 AM **Session 1** - in small breakout rooms (See Schedule Below)

- Strands 1, 2, and 3 Workshops

Room/ Moderator	Time	Title of Presentation	Presenter(s)	Affiliation	Strand
Salon A Todd France	10:00 – 10:50	STEM as a Vehicle for Academic Content	Brad Christensen	Hebron Christian Academy	1
Salon B Rebekka Darner	10:00–10:25	When a Math Lesson Needs a Makeover	Sherri Martinie; Alexis Bowen	Kansas State University	1
	10:30–10:55	Unique online teaching strategies: What songs, genealogy, bawdry limericks have to do with identity, creativity, and anticipation in the mathematics classroom	Michael Mathews; Parker Lingelbach; Emily Schultz; Dani Ellis	University of Nebraska at Omaha	1
Salon C Monica Medina	10:00–10:50	Lessons Learned: A Workshop Dedicated to Mentoring Program Best Practices and Collaboration	Megan M. Leider; Krishna R. Millsapp	Loyola University Chicago	3
Riverside East Dorene Huvaere	10:00–10:25	Get the Facts Out: A partnership between four national societies on the reputation of the STEM teaching profession	William Hunter	Illinois State University	3
	10:30–10:55	Noyce Post-Baccalaureate Program Cracker Barrel Discussion	Earl Legleiter; Eric Deyo; Paul Adams	Fort Hays State University	3
Riverside West Faith Yarberry	10:00–10:50	Reporting out from Summer 2022 Workshop - Culturally Responsive Teaching in STEM	Jess Krim; Jen Hernandez	Southern Illinois University Edwardsville; CESA #1 Wisconsin	2
Edgehill Joshua Rappuhn	10:00–10:25	The Engagement of Scholars and Interns as Learning Assistants in an Active Learning Classroom	Janice F. Rech; Tanner Pfeil; Sydney Fuhrman	University of Nebraska at Omaha	1
	10:30–10:55	Common Assessments as a Lever for Teacher Learning and District Level Change	Corey Webel	University of Missouri	3

11:00 AM **Session 2** - in small breakout rooms (See Schedule Below)

- Strands 1, 2, and 3 Workshops

Session 2: 11:00 AM – 12:00 PM (abstracts for the presentations can be viewed on Whova App)

Room/ Moderator	Time	Title of Presentation	Presenter(s)	Affiliation	Strand
Salon A Yarberry	11:00–11:25	CREATING Lessons for Lasting Comprehension Through CRA	Michelle Childress; Aidan Link	University of Arkansas; Raytown Schools	1
	11:30–11:55	Reflections on Lessons: Becoming more Inquiry Based	Krystal Brand	IUPUI	1
Salon B Sherri Martinie	11:00–11:25	Engineering Problem Framing	Todd France	Ohio Northern University	1
Salon C Monica Medina	11:00–11:25	Trans Students 101	Bri Saab	Loyola University Chicago	2
	11:30–11:55	Build a Random Seat Generator in Google Sheets	Abigail Letts	Loyola University Chicago	1
Riverside East Dorene Huvaere	11:00–11:25	The Impact of a Year-Long Clinical Residency Collaboration on the Professional Practice of Cooperating Teachers	Kimberly Baker; Katherine Stickney; Deb Sachs	University of Indianapolis	3
	11:30–11:55	It's a Beautiful Day in the Neighborhood	Isaac Skalsky; Ashley Skalsky	Minnesota State University Moorhead	3
Riverside West Joshua Rappuhn	11:00–11:25	Rural STEM Teacher Preparation and Retention: A Noyce Track 4 Research Project	Earl Legleiter; Salam Kahn; Chrissy Cross	Fort Hays State University; Alabama A&M University; Stephen F. Austin State University	3
	11:30–11:55	Noyce Track 1 Partnership-Upper Iowa University (UIU) and Northeast Iowa Community College (NICC)	Barbara Ehlers; Matthew Simon; Jeremy Durelle	Upper Iowa University; Northeast Iowa Community College	3
Edgehill Rebekka Darner	11:00–11:25	Training Preservice STEM Teachers in Pedagogy to Foster a Growth Mindset	Valorie Zonnefeld	Dordt University	3
	11:30–11:55	Recruiting Education & STEM Undergraduates for Lifelong Teaching (RESULT): A Framework for Culturally Relevant and Sustaining STEM teacher preparation	Theresa Y. Robinson	Elmhurst University	3

12:00 PM Strand 1, 2, and 3 Site Visit Schedule Information – *Salon D*

Site Visits

12:15 PM Pick up Box Lunches - *available in the Foyer*

12:30 PM Buses leaving for site visits from the hotel

1:00–4:00 PM Site visits (*Lunch will be included*)

Group #	Site
Group 1	Historic Arkansas Museum (<i>walk 10 min</i>)
Group 2	Little Rock Central High School, National Historic Site
Group 3	Arkansas River Trail & Clinton Presidential Library (<i>walk to river trail and library; bus ride back from library</i>)
Group 4	The Big Dam Bridge
Group 5	Pinnacle Mountain State Park
Group 6	Little Rock Zoo

4:00 PM Strands 1, 2, and 3 return from Site Visits

4:15 PM Coffee and Snack Break – *available in the Foyer*

4:15 PM 30 minutes of Site visit reflection led by your site leader – various rooms

Room	Group
Riverside West	Group 1: Historic Arkansas Museum
Riverside East	Group 2: Little Rock Central High School, National Historic Site
Salon A	Group 3: Arkansas River Trail & Clinton Presidential
Salon B	Group 4: The Big Dam Bridge
Salon C	Group 5: Pinnacle Mountain State Park
Salon D	Group 6: Little Rock Zoo

Keynote Speaker: Dr. Socorro Herrera

5:00 PM DINNER / Keynote Speaker – *Salon D*

- Dr. Jessica Krim, Southern Illinois University Edwardsville
 - **Dr. Socorro Herrera** is a professor in the Department of Curriculum and Instruction, College of Education at Kansas State University and serves as the Executive Director of the Center for Intercultural and Multilingual Advocacy (CIMA). Q&A will follow the presentation.

6:30 PM Break/Freshen Up

Evening at the Museum of Discovery

7:00 PM Evening at the **Museum of Discovery** for fun, networking, and an optional Scavenger Hunt (**11 min walk**)

9:00 PM Return to Hotel

Sunday, February 26

8:00 AM Breakfast Buffet - *available in the Foyer, eat in Salon D*

Plenary Session: Dr. Roni Ellington

8:30 AM Plenary Session – *Salon D*

- Dr. Jessica Krim, Southern Illinois University Edwardsville
- **Dr. Roni Ellington** has spent the last 25 years cultivating herself as a nationally recognized transformative transdisciplinary scholar, researcher, STEM leader, and professional development expert. Q&A will follow the presentation.

Session 3: 9:30–10:30 AM (abstracts for the presentations can be viewed on Whova App)

9:30 AM **Concurrent** (these sessions will be happening at the same time)

- Strands 1, 2, and 3 Workshops

Room/ Moderator	Time	Title of Presentation	Presenter(s)	Affiliation	Strand
Salon A Faith Yarberry	9:30–10:20	Using Concrete Investigations to Support Abstract Thinking	Janet Moore	Illinois State University	1
Salon B Faith Yarberry	9:30–10:20	STEM Teaching in an Age of Misinformation: Critical thinking, socio-scientific instruction, and media literacy	Lara Smetana	Loyola University Chicago	1
Salon C Sherri Martinie	9:30–10:20	Building Thinking Classrooms in Mathematics	Grace Jenkins; Jonathan Flores; Sofia Montoya-Ortiz; Nathan Stark; Emma Reif	Fort Hays State University	1
Riverside East Dorene Huvaere	9:30–10:20	Discussion with PIs	Dr. Mindy Capaldi; Dr. Bonnie Green	Program Director at the National Science Foundation (NSF) in the Division of Undergraduate Education in the Directorate of Education and Human Resources	3
Riverside West Dorene Huvaere	9:30–9:55	What Does Social Emotional Learning Look Like in a STEM Classroom?	Todd Frauenholtz; Jenna O'Dell; Sarah James	Bemidji State University	2
	10:00–10:20	Battle of the Titans: Mathematics vs Truth	Timothy Pennings	Davenport University	2

Edgehill Joshua Rappuhn	9:30–10:20	Enhancing Middle School Science with Place Based Experiences	Kari Keith; Katie Bryant	White Pine Middle School; Lakeville Middle School	2
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Closing Plenary Session: Dr. Jessica Krim

10:30 AM Closing Plenary Session – *Salon D*

- Dr. Jessica Krim, Southern Illinois University Edwardsville
 - Moving forward
 - Using resources and upcoming workshops/webinars

11:00 AM Adjourn

Hot Springs Site Visit and Buses to Hotel/Airport

11:30 AM Bus leaves for Hot Springs Site Visit

3:30 PM Bus leaves Hot Springs Site Visit and heads back:

- Bus 1 will head straight to hotel
- Bus 2 will head straight to Airport

5:00 PM Bus returns from Hot Springs Site Visit