



# NSF 2023 CC\* PI Workshop

September 26th - 28th, 2023 | Columbus, OH

## TUESDAY, SEPTEMBER 26

Registration Opens at 7:00 AM		
Eastern	Topic	Location
5:30 - 7:00 PM	Joint Networking Event with NSF CC* Participants and Quilt	Union Foyer

## WEDNESDAY, SEPTEMBER 27

Registration opens at 7:00 AM		
Eastern	Topic	Location
7:00-8:00 AM	Joint NSF and Quilt Breakfast / Focused Quilt / CC* PI Breakfasts	Union C/D/E
7:00-8:00 AM	Quilt Member / CC* PI Breakfasts	
7:00-8:00 AM	Front Range GigaPoP & CC* SHEKATE / CC* PI Breakfast (Invitation Only)	Union C/D/E
7:00-8:00 AM	Great Plains Network / CC* PI Breakfast (Invitation Only)	Union C/D/E
7:00-8:00 AM	LEARN / CC* PI Breakfast (Invitation Only)	Morrow
7:00-8:00 AM	NYSERNet / CC* PI Breakfast (Invitation Only)	Morrow
7:00-8:00 AM	Sun Corridor & CC* SHEKATE / CC* PI Breakfast (Invitation Only)	Union C/D/E
<b>8:00 AM - Noon</b>	<b>Quilt and NSF CC* PIs Colocated General Session</b>	Franklin A/B/C
8:00-8:30 AM	<b>CC* Workshop Welcome and Welcome to Colocated Program</b> Jen Leasure, The Quilt Pankaj Shah, OARnet ( <a href="#">slides</a> )	Franklin A/B/C
8:30-9:30 AM	<b>NSF CC* Program Officer Insights</b> Subrata Acharya Katie Antypas Amy Apon Rob Beverly ( <a href="#">slides</a> ) Nicholas Goldsmith Deep Medhi Sandra Richardson ( <a href="#">slides</a> )	Franklin A/B/C

	Kevin Thompson	
9:30-10:00 AM	Joint NSF and Quilt Morning Break	Franklin Foyer
10:00-10:15 AM	<b>Overview of Nat'I CI Ecosystem and Resources</b> Kevin Thompson, NSF ( <a href="#">slides</a> ) Dana Brunson, Internet2 ( <a href="#">slides</a> )	Franklin A/B/C
10:15-11:00 AM	<b>Panel Presentation and Discussion: Facilitating CI Capabilities with Researchers - Outreach, Education and Training</b> Sean Cleveland, University of Hawaii (moderator) ( <a href="#">slides</a> ) Adam Caprez, University of Nebraska ( <a href="#">slides</a> ) Jim Griffioen, University of Kentucky ( <a href="#">slides</a> ) Chris Maher, University of North Carolina - Charlotte ( <a href="#">slides</a> )	Franklin A/B/C
11:00-11:40 AM	<b>Panel Presentation and Discussion: Multi-Institutional CC* Cyberinfrastructure Collaborations</b> Lev Gonick, Arizona State University (moderator) Vladimir Florinski, University of Alabama - Huntsville ( <a href="#">slides</a> ) Grant Scott, University of Missouri - Columbia ( <a href="#">slides</a> )	Franklin A/B/C
11:40-Noon	<b>Lowering the Barriers to Data Sharing for Multi-Institutional CI Collaborations</b> Derek Weitzel, University of Nebraska - Lincoln ( <a href="#">slides</a> )	Franklin A/B/C
Noon	<b>Quilt Fall Member Meeting Conclusion</b>	Franklin A/B/C
12:00 - 1:15 PM	Joint NSF and Quilt Lunch / Focused Quilt / CC* PI Lunches	Union C/D/E
12:00-1:15 PM	AREON / CC* PI Lunch (Invitation Only)	Union C/D/E
12:00-1:15 PM	LEARN / CC* PI Lunch (Invitation Only)	Morrow
12:00-1:15 PM	MCNC / CC* PI Lunch (Invitation Only)	Union C/D/E
12:00-1:15 PM	Southern Crossroads / CC* PI Lunch (Invitation Only)	Morrow
<b>1:15 - 5:00 PM</b>	<b>NSF CC* PI Workshop Cont'd</b>	
1:15-2:30	<b><a href="#">Breakouts by CC* Program Area</a></b> These program area breakouts will be led by program area PIs focusing on areas of specific interest to projects including challenges and lessons learned. CC* Planning and CC* CIRA (Area 7) award representatives are encouraged to join one of these planned breakouts to gain additional insights into specific program areas.	
	<b>Campus and Regional Networking Infrastructure (Areas 1 and 2)</b> Amy Schultz, LEARN (co-facilitator) Brian Burkhart, OneNet (co-facilitator)	Franklin A
	<b>Integration and Innovation (Area 3)</b> Jack Brassil, Princeton University (co-facilitator) Craig Partridge, Colorado State University (co-facilitator)	Franklin B
	<b>Campus and Regional Compute (Areas 4 and 5)</b>	Franklin C

	BD Kim, University of Southern California (co-facilitator) Jason Liu, Florida International University (co-facilitator)	
	<b>Data Storage (Area 6)</b> Ramazan Aygun, Kennesaw State University (co-facilitator) Sean Cleveland, University of Hawaii (co-facilitator)	Franklin D
2:30 - 3:00 PM	Break - Refresh and Network	Franklin Foyer
<b>2:30 - 3:00 PM</b>	<b>National CI Resources - Office Hours (OSG, EPOC, and RCD Nexus)</b>	Union C/D/E
<b>3:00-5:00 PM</b>	<b>Return to NSF CC* PI Workshop General Session</b>	Franklin A/B/C
3:00-3:30	<b>Return on Investment for Cyberinfrastructure</b> Preston Smith, Purdue University ( <a href="#">slides</a> )	Franklin A/B/C
3:30-4:15	<b>Panel Presentation and Discussion: Campus Cyberinfrastructure for STEM Education - Challenges of Engaging Teaching Faculty, Especially for Lesser-Resourced Institutions</b> Cas D'Angelo, Southern Crossroads (moderator) ( <a href="#">slides</a> ) Kylie Nash, Alabama A&M University John Wilson, Spelman College Charley Kneifel, Duke University	Franklin A/B/C
<b>4:15-5:00</b>	<b>Cyberinfrastructure Data Services</b>	Franklin A/B/C
4:15-4:35	<b>National Data Platform Pilot: Services for Equitable Open Access to Data</b> Ilkay Altintas De Callafon, University of California - San Diego (remote)	Franklin A/B/C
4:35-4:55	<b>Pelican: Advancing the Open Science Data Federation Platform</b> Brian Bockelman, Morgridge Institute for Research ( <a href="#">slides</a> )	Franklin A/B/C
<b>4:55-5:00</b>	<b>Daily Wrap-Up</b>	Franklin A/B/C
<b>Evening</b>	<b>Informal Networking</b>	

## THURSDAY, SEPTEMBER 28

Eastern	Topic	Location
7:00-8:00 AM	Breakfast - General	Union C/D/E
<b>8:00 AM - 12:00 PM</b>	<b>NSF CC* PI Workshop Cont'd</b>	Franklin A/B/C
<b>8:00-8:10</b>	<b>Day 2 Welcome</b>	Franklin A/B/C
<b>8:10-9:10</b>	<b>Invited CC* Presentations - One from Each Program Area</b>	Franklin A/B/C
8:10-8:20	<b><i>CC* Regional Computing: Enhancing Computing At Regional Schools in the Rocky Mountain Advanced Computing Consortium (RMACC)</i></b> Craig Earley, University of Colorado - Boulder ( <a href="#">slides</a> )	Franklin A/B/C
8:20-8:30	<b><i>CC* Regional: The MORE OFFN Cyberinfrastructure Approach</i></b> Brian Burkhart, OneNet ( <a href="#">slides</a> )	Franklin A/B/C
8:30-8:40	<b><i>CC* Networking Infrastructure: Improving the University of the Virgin Islands' Scientific Research Data Movement Infrastructure</i></b>	Franklin A/B/C

	<b>and Network Capacity</b> Sharlene Harris, University of Virgin Islands ( <a href="#">slides</a> )	
8:40-8:50	<b>CC* Compute: HPC Services for the Colorado State University System</b> Sudeep Pasricha, Colorado State University ( <a href="#">slides</a> )	Franklin A/B/C
8:50-9:00	<b>CC* Integration-Small: A Software-Defined Edge Infrastructure Testbed for Full-stack Data-Driven Wireless Network Applications</b> Francesco Restuccia, Northeastern University	Franklin A/B/C
9:00-9:10	<b>CC* Data Storage: Supporting Big-Data Edge Computing using Hybrid and Cloud-Native Storage Infrastructure</b> Nam Pho, University of Washington ( <a href="#">slides</a> )	Franklin A/B/C
<b>9:10-9:45</b>	<b>CI Collaborations for TCUs and HBCUs</b>	Franklin A/B/C
9:10-9:30	Joey Brenn, Claflin University/Minority Serving Campus Cyberinfrastructure Consortium (MS-CC) ( <a href="#">slides</a> )	Franklin A/B/C
9:30-9:45	Alex Grandon, American Indian Higher Education Consortium (AIHEC) ( <a href="#">slides</a> )	Franklin A/B/C
9:45-10:15 AM	Break	Franklin Foyer
<b>10:15-11:15</b>	<b>Introduction to FABRIC and Leveraging FABRIC for CC* Projects</b> Deep Medhi, NSF Ilya Baldin, UNC-Chapel Hill/RENCI ( <a href="#">slides</a> ) Anita Nikolich, University of Illinois Urbana-Champaign Paul Ruth, UNC-Chapel Hill/RENCI Praveen Rao, University of Missouri ( <a href="#">slides</a> )	Franklin A/B/C
<b>11:15-11:55</b>	<b>Panel Presentation and Discussion: Best Practices in CC* Student Engagement and Internships and NSF REU Supplements</b> Andrew Sherman, Yale University (moderator) ( <a href="#">slides</a> ) Laura Theademan, Purdue University ( <a href="#">slides</a> ) Brian O'Shea, Michigan State University ( <a href="#">slides</a> )	Franklin A/B/C
11:55	<b>NSF CC* PI General Session Workshop Conclusion</b>	Franklin A/B/C
12:00 -1:00 PM	Lunch	Union C/D/E
<b>1:00-5:00 PM</b>	<b>Post-Workshop Tutorials</b>	
1:00-3:00 PM	<b>Engagement Performance &amp; Operations Center (EPOC)</b> Jason Zurawski, ESnet/EPOC	Fairfield
1:00-2:00 PM	<b>Bring the Open Science Pool (OSPool) Capacity to Researchers on your Campus</b>	Morrow
2:00-3:00 PM	<b>Bring your Campus Computing Capacity to the Open Science Pool (OSPool)</b>	Morrow
3:00 - 3:30 PM	Break - Refresh and Network	Franklin Foyer
3:30-5:00	<b>Bring your Campus Storage Capacity and Datasets to the Open Science Data Federation (OSDF)</b>	Morrow

5:00 PM	Post-Workshop Tutorials Conclude	
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