



Monday, March 25, 2024

Time	Topics
2-5 pm MT	Trusted CI's Research Infrastructure Security Community (RISC) Workshop <i>The event is an invite-only workshop for members of the RISC.</i>
5-6 pm MT	In-Person Pre-Registration <i>Westward Look Wyndham</i>

Tuesday, March 26, 2024 – Day 1

Time	Topics			
8:00 am MT	Opening Remarks and an Overview of Updates to NSF's Research Infrastructure Guide (RIG) <i>Matthew Hawkins, Head, Research Infrastructure Office, NSF</i> <i>Linnea Avallone, Chief Officer for Research Facilities, NSF</i>			
8:40 am MT	Introduction to NSF's National Optical-infrared Astronomy Research Laboratory <i>Pat McCarthy, Director of NSF's National Optical-infrared Astronomy Research Laboratory (NOIRLab)</i>			
9:05 am MT	Introduction to University of Arizona, Mirror Lab <i>Cathi Duncan, Development and Stewardship Manager, Richard F. Caris Mirror Lab, The University of Arizona</i>			
9:30 am MT	Introduction to University of Arizona, Biosphere 2 <i>John Adams, Deputy Director, Chief Operating Officer, BIOSPHERE 2, The University of Arizona</i>			
<b>9:55 am</b>	<b>Refreshment Break</b>			
10:15 am MT	Celebrating 75 Years of Discovery and NSF's New Branding Policy <i>Cori Bassett, Creative Services Branch Chief, Acting Public and Media Affairs Branch Chief, Office of Legislative &amp; Public Affairs (OLPA), NSF</i>			
11:15 am MT	National Artificial Intelligence Research Resource (NAIRR) Pilot <i>Bill Miller, Senior Advisor for Cyberinfrastructure, Office of Advanced Cyberinfrastructure CISE/OAC), NSF</i>			
<b>11:45 am</b>	<b>Lunch</b>			
	<b>Award Management</b>	<b>Mid-scale RI</b>	<b>Cyberinfrastructure</b>	<b>Office of Legislative &amp; Public Affairs (OLPA)</b>
1:00 pm MT	<b>Build America, Buy America: Lessons Learned from the Second Year of Implementation: BABA Update</b> <i>Patrick Breen, Chief Acquisition Officer, Division of Acquisition and Cooperative Support (BFA/DACS), NSF</i> <i>Daniel Moline, Division of Acquisition and Cooperative Support (BFA/DACS), NSF</i>	<b>RIG Update 2024: Discussion on Planned Changes in RIG Related to Mid-scale RI Projects</b> <i>Matthew Hawkins, Head, Research Infrastructure Office (BFA/RIO), NSF</i> <i>Roland Roberts, Deputy Chief Officer for Research Facilities, NSF</i>	<b>DOE Integrated Research Infrastructure (IRI) and the High-Performance Data Facility (HPDF) project</b> <i>Dr. Debbie Bard, Group Lead, Data Science Engagement, National Energy Research Scientific Computing Center, Lawrence Berkeley National Lab</i>	<b>Getting Mass Media to Work for You*</b> <i>This session will be offered in-person only</i>

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# 2024 NSF RESEARCH INFRASTRUCTURE WORKSHOP

MARCH 26 - 29, 2024 • TUCSON, ARIZONA

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PROJECT MANAGEMENT. FACILITIES AND OPERATIONS. AWARD MANAGEMENT. EHS. EDUCATION AND PUBLIC OUTREACH. CYBER (CI & CS).

Time	Topics			
1:30 pm MT	<p><b>Clarification on What Constitutes a Mid-scale Research Infrastructure Award</b>  <i>Tim Kashmer, Branch Chief, Division of Acquisition and Cooperative Support (DACS/ISB)</i>  <i>Lisa Smith and Kapua Hatch, Grant &amp; Agreement Specialists, Division of Acquisition and Cooperative Support (DACS/ISB)</i></p>	<p><b>Defining What Tailoring, Scaling and Progressive Elaboration Plans Mean to All Lifecycle Phases: New RIG Sub-section Under Section 4</b>  <i>Carol Wilkinson, Senior Project Manager, Wilkinson PM Consulting</i>  <i>Ryszard Kaczmarek, Research Infrastructure Advisor, Research Infrastructure Office (BFA/RIO), NSF</i></p>	<p><b>Cross Facility Workflows and Connectivity: Canada Foundation for Innovation data life cycle for MSI funded facilities.</b>  <i>Mark Lagacé, Director of Programs, Canada Foundation for Innovation</i>  <i>Claudia Fall, Associate Director for Research Facilities, Canada Foundation for Innovation</i></p>	<p><b>Getting Mass Media to Work for You* (Continued)</b>  <i>This session will be offered in-person only</i></p>
2:00 pm	<b>Coffee Break</b>			
2:15 pm MT	<p><b>Overview of Directorate for Technology, Innovation, and Partnerships Engines Program and Relation to Research Infrastructure</b>  <i>Florence Rabanal, Program Director, TIP NSF</i></p>	<p><b>Mid-scale Research Infrastructure Projects Share Lessons Learned from an Awardee Perspective</b>  <i>A panel discussion.</i>  <i>Moderator: Roland Roberts, Deputy Chief Officer for Research Facilities, NSF</i></p>	<p><b>Long Term Data Management and Archiving</b>  <i>A panel discussion with speakers from NSF-funded Major Facilities and other federal facilities.</i></p>	<p><b>How to Win Friends and Influence People, Leveraging Social Media*</b>  <i>This session will be offered in-person only</i></p>
3:15 pm	<b>Refreshment Break</b>			
3:35 pm MT	<p><b>Panel on ZEV Vehicle Transitions in FY2023 and Future Planning</b>  <i>Matthew Hawkins, Head, Research Infrastructure Office (BFA/RIO), NSF</i></p>	<p><b>ZEUS: Considerations for the Successful Transition from a Mid-scale RI Construction Project to a Mid-scale RI in Operations and Its Impact</b>  <i>Franko Bayer, Senior Project Manager, University of Michigan - Center for Ultrafast Optical Science</i></p>	<p><b>RIG Working Session on Cyberinfrastructure &amp; Cybersecurity</b>  <i>Bill Miller, Senior Advisor for Cyberinfrastructure, OAC, NSF</i>  <i>Michael Corn, Cybersecurity Advisor for Research Infrastructure, OD, NSF</i>  <i>Alison Rockwell, Research Infrastructure Advisor, RIO, NSF</i></p>	<p><b>Understanding and Implementing NSF Branding Policy*</b>  <i>This session will be offered in-person only.</i></p>

Continued next page



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Time	Topics			
4:05 pm MT	<b>Behavioral Project Management</b> <i>Dr. Josh Ramirez, NPPQ, PMP</i> <i>Chief Executive Officer</i> <i>Institute for Neuro &amp; Behavioral Project Management</i>	<b>Change Control: A Walk-Through of Examples of Simple, Medium, and High Complications</b>	<b>RIG Working Session on Cyberinfrastructure &amp; Cybersecurity</b> <i>(Continued)</i>	<b>Understanding and Implementing NSF Branding Policy*</b> <i>(Continued)</i> <i>This session will be offered in-person only.</i>  <i>*The OLPA Workshop sessions are offered in-person only.</i>
4:35 pm MT	In-Person Poster Session			
5:15 pm MT	<b>Welcome Reception</b> <i>Hors d'Oeuvres and Cash Bar</i>			
6:00 pm MT	End Day 1 of Workshop			

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Wednesday, March 27, 2024 – Day 2

Time	Activities					
	<i>Kitt Peak Tour</i>	<i>Biosphere 2 Tour</i>	<i>Mirror Lab Tours</i>	<i>Virtual Activities</i>		
<b>7:15 am</b>	<b>Breakfast (ends 8:15am MT)</b>					
<b>7:45 am MT</b>	<b>Group Tour</b> <i>Transportation and Onsite Lunch Provided</i>	<b>Group Tour</b> <i>Transportation and Boxed Lunch Provided</i>	<b>Three Group Tours (Consecutive)</b> <i>Transportation and Boxed Lunch Provided</i>			
8:40 am MT					Webinar #1: Alternate Methods for Monitoring Progress Against Plan on Mid-scale Research Infrastructure <i>Facundo Funes, Research Infrastructure Advisor, Research Infrastructure Office (BFA/RIO), NSF</i>	
10:05 am MT						<b>Break</b>
11:15 am MT						<b>Virtual Coffee Chat (Workshop App)</b>
11:45 am MT						<b>Break</b> <i>Lunch provided for In-Person Attendees</i>
12:20 pm MT				Webinar #2: A Review of 2023 Research Infrastructure Project Management Webinar Series <i>A series of three, 90-minute webinars that focused on developing basic knowledge and skills on project management methods applied to planning and performance management of Mid-scale RI projects consistent with NSF's Research Infrastructure Guide (RIG). Facundo Funes, Research Infrastructure Advisor, Research Infrastructure Office (BFA/RIO), NSF</i>		
2:00 pm MT	<b>Break</b>					
2:45 pm MT	<b>Virtual Poster Session</b> <i>( 2:45– 3:15 pm MT / 4:45 pm – 5:15 pm ET)</i>					
3:15 pm MT	<b>Break</b>					
3:30 PM MT	<b>Student Poster Session</b> <i>Light Refreshments</i>					
<b>6:15 pm MT</b>	<b>End Day 2 of Workshop</b>					

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Thursday, March 28, 2024 – Day 3

Time	Topics			
	EHS	Facilities and Operations	Cybersecurity	In-Person EPO Workshop
8:00 am MT	<p><b>The Intersections of Safety &amp; DEI (Diversity, Equity, and Inclusion)</b>  <i>Moderator: Bevin Luna, Battelle Arctic Research Operations</i>  <i>Jennifer Bates, Broadening Participations Program Manager, RADIAL, NRAO</i>  <i>Giovanni Corvetto, Safety, Health &amp; Environment Mgr, NSF's NOIRLab Chile and Rubin Observatory</i>  <i>Alysha Shugart, Rubin Observatory, NSF's NOIRLab</i></p>	<p><b>Preparing an Operations and Maintenance Budget: Approaches and Practices for Budget Contingency.</b>  <i>Chris McKay, Operations Manager, NEON</i></p>	<p><b>Cyber Security Session</b></p>	<p><b>In-Person EPO Workshop: Session #1</b>  <i>This session will be offered in-person only</i></p>
<b>8:50 am</b>	<b>Coffee Break</b>			
9:05 am MT	<p><b>Part I: Lessons Learned from Safety Observations and Near Misses</b>  <b>Part II: How to Conduct a Safety Incident Investigation</b>  <i>Moderator: Danny Sellers, Head Safety Officer, LIGO</i></p>	<p><b>Discussion on New Sub-section of RIG Section 3 that Relates to Annual Operations Planning</b>  <i>Charlotte Roehm and Chris Davis, Program Directors, NSF</i></p>	<p><b>Risk Management and Cybersecurity: How to Include Cybersecurity as Part of Risk Management Planning</b>  <i>Michael Corn, Cybersecurity Advisor for Research Infrastructure, OD, NSF</i></p>	<p><b>In-Person EPO Workshop: Session #2</b>  <i>This session will be offered in-person only</i></p>
<b>9:55 am</b>	<b>Refreshment Break</b>			
10:15 am MT	<p><b>Workplace Safety: Tips for Leadership for a Successful Safety Performance</b>  <i>Giovanni Corvetto, Safety, Health &amp; Environment Mgr, NSF's NOIRLab Chile and Rubin Observatory.</i>  <i>Reva Golden, EHS Specialist / Industrial Hygienist, UCAR</i></p>	<p><b>Part I: Discussion on Facility Condition Assessment of a Major Facility - Section 3.6.3 of the RIG</b>  <i>Richard Oram, Research Infrastructure Office, NSF</i>  <b>Part II: Discussion on Recapitalization Mechanisms for Major Facilities in the Operations Stage - Section 3.6.7 of the RIG</b>  <i>Stella Osifo, Research Infrastructure Office, NSF</i></p>	<p><b>Information Security and Research Security Programs at NSF NCAR</b>  <i>Greg Madden, UCAR Chief Information Officer</i></p>	<p><b>In-Person EPO Workshop: Session #3</b>  <i>This session will be offered in-person only</i></p>

Continued next page



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Time	Topics			
<b>11:05 am</b>	<b>Coffee Break</b>			
	<b>Project Management</b>	<b>Facilities and Operations</b>	<b>Cybersecurity</b>	<b>In-Person EPO Workshop</b>
11:20 am MT	Discussion of RIG Section 3.5 Project Execution Plans: A Review of the New Project Execution Plan (PEP) Section <i>Steve Ellis, Program Director, Division of Biological Infrastructure (BIO/DBI), NSF</i> <i>Mark Warner, Project Manager, National Solar Observatory</i>	<b>Overview of Recent Facility Condition Assessments and Annual Maintenance Plans of NHMFL and NSF's NOIRLab</b>	<b>Cybersecurity Panel Discussion</b>	<b>In-Person EPO Workshop: Session #4</b> <i>This session will be offered in-person only</i>
			<b>Cybersecurity Panel Discussion (Continued)</b>	<b>In-Person EPO Workshop: Session #4 (Continued)</b> <i>This session will be offered in-person only</i>
<b>12:10 pm</b> MT	<b>Lunch</b>			
	<b>Project Management</b>	<b>Facilities and Operations</b>	<b>Education and Public Outreach (EPO)</b>	
1:25 pm MT	<b>Implementing Earned Value Management (EVM) at the Right Level: Scaling and Tailoring</b> <i>Carol Wilkinson, Senior Project Manager, Wilkinson PM Consulting</i> <i>Ryszard Kaczmarek, Research Infrastructure Advisor, Research Infrastructure Office (BFA/RIO), NSF</i>	<b>Practical Steps for Recruitment &amp; Retention</b> <i>Moderator: Lorna Campbell, Staff Relations Manager, LIGO Lab</i> <i>Panel Participants:</i> <i>Joseph Anthony Gonzales, Head of Recruitment, AURA NSF Funded Centers</i> <i>Patrick Dimoh, Talent Acquisition Team Lead, NCAR</i> <i>Debra Booth, Business Systems Director, Magnetic Field Laboratory</i>	<b>Tips for Outreach and Early Career Programs</b>	
<b>2:15 pm</b>	<b>Coffee Break</b>			
2:30 pm MT	<b>Risk Management: Changes to the 2024 RIG Chapter on Risk Management</b> <i>Mark Warner, Project Manager, National Solar Observatory, AURA</i>	<b>Sustainability in Operations: Overview of NSF's NOIRLab Strategy to Reduce Carbon Emissions</b> <i>Inger Jorgensen, Chief Sustainability Officer at NSF's NOIRLab</i>	<b>Evaluation of EPO Projects and Data-driven Outcomes</b> <i>A panel discussion.</i> <i>Moderator: Justine Schaen, NSF's NOIRLab</i>	
<b>3:20 pm</b>	<b>Refreshment Break</b>			
3:40 pm MT	<b>Panel Session on Reporting</b> <i>The panel will share and discuss good practices on project reporting including Risk Management and Change Control, Reporting Use of Contingencies:</i>	<b>Part I: Lessons Learned from Planning and Conducting Critical Lift Operations</b>  <b>Part II: Training, Safety and Oversight: How to Effectively Train Facility Users and the Staff</b>	<b>The EPO Journey of the Rubin Observatory</b> <i>Alan Strauss, NSF's NOIRLab</i> <i>Stephanie Deppe, NSF's NOIRLab</i> <i>Ardis Herrold, NSF's NOIRLab</i>	

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Time	Topics		
	<i>Moderator: Ryszard Kaczmarek, Research Infrastructure Advisor, Research Infrastructure Office (BFA/RIO), NSF</i>	<b>who Operate and Maintain the Facilities</b>	
<b>4:30 PM</b>	<b>Coffee Break</b>		
4:45 pm MT	Coordinating Research Activities Using Navy SEAL Planning Methods <i>Daniel Zehner, Scheduling and Operations Coordinator, NHERI-NCO</i>	<b>The Importance of Communication and Collaboration Across the RI Community</b>	<b>Science Facilities and their Social and Economic Impact on Local Communities</b>
<b>5:15 pm</b>	<b>End Sessions</b>		
7:30 - 9:30 pm MT	<b>Stargazing Activity provided by NSF's NOIRLab</b> <i>Hot Cocoa and Light Dessert</i>		
	<b>End Day 3 of Workshop</b>		

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Friday, March 29, 2024 – Day 4 (Last Day of Workshop)

Time	Topics
8:00 am MT	NSF Research Security Training Modules: <a href="#">Research Security Training</a> <i>Sarah Stalker Lehoux, Deputy Chief of Research Security Strategy and Policy, NSF</i>
8:30 am MT	Overview of ESO ELT Construction Project <i>Roberto Tamai, ESO's ELT Programme Manager, European Southern Observatory (ESO)</i>
<b>9:00 am</b>	<b>Coffee Break</b>
9:15 am MT	Reserved
<b>10:15am</b>	<b>Refreshment Break</b>
10:35 am MT	Lessons Learned from Recent Cybersecurity Incidents <i>Chris Morrison, NSF's NOIRLab Head of IT Operations</i>
11:05 am MT	Plenary Moving Legacy Data Systems to a Cloud: Use Cases with Data and Cloud Providers <i>Manil Maskey, Senior Research Scientist, NASA HQ Science Mission Directorate AI Lead. Project Manager, NASA MSFC</i>
11:35 am MT	Closing Remarks <i>Matthew Hawkins, Head, Research Infrastructure Office, NSF</i>
<b>11:45 am MT</b>	<b>-- End Workshop --</b>