



Monday, March 25, 2024

Time	Topics
2-5 pm MST	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 MST	In-Person Pre-Registration <i>Westward Look Wyndham</i>

Tuesday, March 26, 2024 – Day 1

Time	Topics			
8:00 am MST	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 MST	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 MST	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 MST	Introduction to University of Arizona, Biosphere 2 <i>John Adams, Deputy Director, Chief Operating Officer, BIOSPHERE 2, The University of Arizona</i>			
9:55 am	Refreshment Break			
10:15 am MST	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 & Public Affairs (OLPA), NSF</i>			
11:15 am MST	National Artificial Intelligence Research Resource (NAIRR) Pilot <i>Bill Miller, Senior Advisor for Cyberinfrastructure, Office of Advanced Cyberinfrastructure CISE/OAC), NSF</i>			
11:45 am	Lunch			
	Award Management	Mid-scale RI	Cyberinfrastructure	Office of Legislative & Public Affairs (OLPA)
1:00 pm MST	Build America, Buy America: Lessons Learned from the Second Year of Implementation: <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>	RIG Update 2024: Discussion on new RIG Section 2.9 on Mid-scale Research Infrastructure <i>Matthew Hawkins, Head, Research Infrastructure Office (BFA/RIO), NSF</i> <i>Roland Roberts, Deputy Chief Officer for Research Facilities, NSF</i>	Cross Facility Workflows and Connectivity DOE Integrated Research Infrastructure (IRI) and the High-Performance Data Facility (HPDF) Project <i>Dr. Debbie Bard, Data Department Head, National Energy Research Scientific Computing Center, Lawrence Berkeley National Lab</i>	Getting Mass Media to Work for You* <i>Miriam Kleiman</i> <i>Public Affairs Specialist</i> <i>Office of Legislative & Public Affairs</i> <i>This session will be offered in-person only</i>

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2024 NSF RESEARCH INFRASTRUCTURE WORKSHOP

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

Time	Topics			
1:30 pm MST	<p>Clarification on What Constitutes a Mid-scale Research Infrastructure Award</p> <p><i>Tim Kashmer, Branch Chief, Division of Acquisition and Cooperative Support (DACS/ISB)</i></p> <p><i>Lisa Smith and Kapua Hatch, Grant & Agreement Specialists, Division of Acquisition and Cooperative Support (DACS/ISB)</i></p>	<p>Defining What Tailoring, Scaling and Progressive Elaboration Plans Mean to All Lifecycle Phases: New RIG Sub-section Under Section 4</p> <p><i>Carol Wilkinson, Senior Project Manager, Wilkinson PM Consulting</i></p> <p><i>Ryszard Kaczmarek, Research Infrastructure Advisor, Research Infrastructure Office (BFA/RIO), NSF</i></p>	<p>Overview of Canada Foundation for Innovation Research Infrastructure and some of the Shared Data Challenges.</p> <p><i>Mark Lagacé, Director of Programs, Canada Foundation for Innovation</i></p>	<p>Getting Mass Media to Work for You*</p> <p><i>(Continued)</i></p> <p><i>This session will be offered in-person only</i></p>
2:00 pm	Coffee Break			
2:15 pm MST	<p>Behavioral Project Management</p> <p><i>Dr. Josh Ramirez, Chief Executive Officer, Institute for Neuro & Behavioral Project Management</i></p>	<p>Mid-scale Research Infrastructure Projects Share Lessons Learned</p> <p><i>Moderator: Roland Roberts, Deputy Chief Officer for Research Facilities, NSF</i></p> <p><i>Elizabeth Hill, EP-OPAL</i></p> <p><i>David Winkel, Compact X-ray Free Electron Laser (CXFEL), Arizona State University</i></p> <p><i>Helen Taafe, Pete Beckman, Software-Defined Sensor Network (SAGE)</i></p>	<p>Archiving and Long-term Preservation of Scientific Data: Considerations, Approaches, Challenges, and Best Practices</p> <p><i>Don Brower, Univ of Notre Dame Center for Research</i></p> <p><i>Angela Murillo, Applied Data and Information Science Indiana University</i></p> <p><i>Adam Bolton, Director, Community Science and Data Center, NSF's NOIRLab</i></p> <p><i>Bruce Berriman, Senior Astronomer and Data Scientist, Infrared Processing and Analysis Center</i></p> <p><i>Jeannette Jackson, Managing Director, Research Data Ecosystem at University of Michigan</i></p>	<p>How to Win Friends and Influence People, Leveraging Social Media*</p> <p><i>This session will be offered in-person only</i></p>
3:15 pm	Refreshment Break			
3:35 pm MST	<p>Panel on ZEV Vehicle Transitions in FY2023 and Future Planning</p> <p><i>Matthew Hawkins, Head, Research Infrastructure Office (BFA/RIO), NSF</i></p>	<p>ZEUS: Considerations for the Successful Transition from a Mid-scale RI Construction Project to a Mid-scale RI in Operations and Its Impact</p> <p><i>Franko Bayer, Senior Project Manager, University of Michigan -</i></p>	<p>RIG Working Session on Cyberinfrastructure & Cybersecurity</p> <p><i>Bill Miller, Senior Advisor for Cyberinfrastructure, OAC, NSF</i></p> <p><i>Michael Corn, Cybersecurity Advisor for Research Infrastructure, OD, NSF</i></p>	<p>Understanding and Implementing NSF Branding Policy*</p> <p><i>This session will be offered in-person only.</i></p>

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

Time	Topics			
		<i>Center for Ultrafast Optical Science</i>	<i>Alison Rockwell, Research Infrastructure Advisor, RIO, NSF</i>	
4:05 pm MST	Overview of Directorate for Technology, Innovation, and Partnerships Engines Program and Relation to Research Infrastructure <i>Florence Rabanal, Program Director, TIP NSF</i>	Change Control: Examples of Simple, Medium, and High Complications <i>Rich Grubb, Project Management Specialist, Oregon Forecasting Inc</i> <i>Blaise Stephanus, Program Manager, Dartmouth College</i>	RIG Working Session on Cyberinfrastructure & Cybersecurity <i>(Continued)</i>	Understanding and Implementing NSF Branding Policy* <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 MST	In-Person Poster Session			
5:15 pm MST	Welcome Reception <i>Hors d'Oeuvres and Cash Bar</i>			
6:00 pm MST	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>		
7:15 am	Breakfast (ends 8:15am MST)					
7:45 am MST	Group Tour <i>Transportation and Onsite Lunch Provided</i>	Group Tour <i>Transportation and Boxed Lunch Provided</i>	Three Group Tours (Consecutive) <i>Transportation and Boxed Lunch Provided</i>			
8:40 am MST					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 MST						Break
11:15 am MST						Virtual Coffee Chat (Workshop App)
11:45 am MST						Break
12:20 pm MST				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).</i> <i>Facundo Funes, Research Infrastructure Advisor, Research Infrastructure Office (BFA/RIO), NSF</i>		
2:00 pm MST	Break					
2:45 pm MST	Virtual Poster Session <i>(2:45– 3:15 pm MST / 5:45 pm – 6:15 pm EDT)</i>					
3:15 pm MST	Break					
3:30 PM MST	Student Poster Session <i>Light Refreshments</i>					
6:15 pm MST	End Day 2 of Workshop					

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Thursday, March 28, 2024 – Day 3

Time	Topics			
	EHS	Facilities and Operations	Cybersecurity	In-Person EPO Workshop
8:00 am MST	<p>The Intersections of Safety & DEI (Diversity, Equity, and Inclusion) <i>Moderator: Bevin Luna, Battelle Arctic Research Operations</i> <i>Jennifer Bates, Broadening Participations Program Manager: RADIAL, NRAO</i> <i>Giovanni Corvetto, Safety, Health & Environment Mgr, NSF's NOIRLab Chile and Rubin Observatory</i> <i>Alysha Shugart, Rubin Observatory, NSF's NOIRLab</i></p>	<p>Preparing an Operations and Maintenance Budget: Approaches and Practices for Budget Contingency. <i>Chris McKay, Operations Manager, NEON</i></p>	<p>In the Trenches of an Effective Cybersecurity Program <i>Jeffrey Glatstein, Senior Manager of Cyberinfrastructure at Woods Hole Oceanographic Institution</i> <i>Sam Chen, IT Director and CISO, Giant Magellan Telescope Organization</i></p>	<p>Work Session: NEW - Planning for EPO/Comms Personnel Exchange Program Across Facilities <i>Moderator: Tim Spuck, Staff Associate for Facilities, Directorate for Mathematical & Physical Sciences (MPS), NSF</i> <i>This session will be offered in-person only</i></p>
8:50 am	Coffee Break			
9:05 am MST	<p>Part I: How to Conduct a Safety Incident Investigation <i>Moderator: Danny Sellers, Head Safety Officer, LIGO</i> <i>Reva Golden, EHS Specialist / Industrial Hygienist, UCAR</i></p> <p>Part II: Lessons Learned from Safety Observations and Near Misses: <i>Round Table Discussion</i></p>	<p>New Sub-section of RIG Section 3 that Relates to Annual Operations Planning <i>Charlotte Roehm, Program Director, Division of Biological Infrastructure (BIO/ DBI), NSF</i> <i>Chris Davis, Program Director, Division of Astronomical Sciences, Directorate of Mathematical and Physical Sciences (AST/MPS), NSF</i></p>	<p>Risk Management and Cybersecurity: How to Include Cybersecurity as Part of Risk Management Planning <i>Michael Corn, Cybersecurity Advisor for Research Infrastructure, OD, NSF</i></p>	<p>Work Session: NEW - Planning for EPO/Comms Personnel Exchange Program Across Facilities (Continued) <i>This session will be offered in-person only</i></p>
9:55 am	Refreshment Break			
10:15 am MST	<p>Workplace Safety: Tips for Leadership for a Successful Safety Performance <i>Giovanni Corvetto, Safety, Health & Environment Manager, NSF's NOIRLab Chile and Rubin Observatory.</i> <i>Reva Golden, EHS Specialist / Industrial Hygienist, UCAR</i></p>	<p>Facility Condition Assessment of Major Facilities – RIG Section 3.6.3 <i>Richard Oram, Research Infrastructure Office, NSF</i></p> <p>Recapitalization Mechanisms for Major Facilities in the Operations Stage – RIG Section 3.6.7 <i>Stella Osifo, Research Infrastructure Office, NSF</i></p>	<p>Information Security and Research Security Programs at NSF NCAR and NRAO <i>Greg Madden, Chief Information Officer, UCAR</i> <i>Wade Craig, Information Security Officer and Cyber Security Specialist at National Radio Astronomy Observatory (NRAO)</i></p>	<p>EPO/Comms Sharathon <i>Moderator: Tim Spuck, Staff Associate for Facilities, Directorate for Mathematical & Physical Sciences (MPS), NSF</i> <i>This session will be offered in-person only</i></p>

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Time	Topics			
11:05 am	Coffee Break			
	Project Management	Facilities and Operations	Cybersecurity	In-Person EPO Workshop
11:20 am MST	<p>Discussion of RIG Section 3.5 Project Execution Plans: A Review of the New Project Execution Plan (PEP) Section</p> <p><i>Steve Ellis, Program Director, Division of Biological Infrastructure (BIO/DBI), NSF</i></p> <p><i>Mark Warner, Project Manager, National Solar Observatory, AURA</i></p>	<p>Overview of Recent Facility Condition Assessment Process of National High Magnetic Field Laboratory</p> <p><i>Uzair Irfan, Senior Project Engineer, Enterprise and Technology Assessments, The Aerospace Corp</i></p> <p><i>John Kynoch, Head of Facilities at NHMFL, FSU</i></p>	<p>Transformative Twelve</p> <p><i>Craig Jackson, Deputy Director at the Center for Applied Cybersecurity Research, Indiana University</i></p>	<p>EPO/Comms Sharathon (Continued)</p> <p><i>This session will be offered in-person only</i></p>
12:10 pm MST	Lunch			
	Project Management	Facilities and Operations	Education and Public Outreach (EPO)	
1:25 pm MST	<p>Implementing Earned Value Management (EVM) at the Right Level: Scaling and Tailoring</p> <p><i>Carol Wilkinson, Senior Project Manager, Wilkinson PM Consulting</i></p> <p><i>Ryszard Kaczmarek, Research Infrastructure Advisor, Research Infrastructure Office (BFA/RIO), NSF</i></p>	<p>Practical Steps for Recruitment & Retention</p> <p><i>Moderator: Lorna Campbell, Staff Relations Manager, LIGO Lab</i></p> <p><i>Panel Participants:</i></p> <p><i>Joseph Anthony Gonzales, Head of Recruitment, AURA NSF Funded Centers</i></p> <p><i>Patrick Dimoh, Talent Acquisition Team Lead, NCAR</i></p> <p><i>Debra Booth, Business Systems Director, Magnetic Field Laboratory</i></p>	<p>Effective Early STEM Pathways</p> <p><i>Panel Discussion</i></p>	
2:15 pm	Coffee Break			
2:30 pm MST	<p>Risk Management: Changes to the 2024 RIG Chapter on Risk Management</p> <p><i>Mark Warner, Project Manager, National Solar Observatory, AURA</i></p> <p><i>Alison Rockwell, Research Infrastructure Advisor, RIO, NSF</i></p>	<p>Sustainability in Operations: Overview of NSF's NOIRLab Strategy to Reduce Carbon Emissions</p> <p><i>Inger Jorgensen, Chief Sustainability Officer at NSF's NOIRLab</i></p>	<p>Evaluation of EPO Projects and Data-driven Outcomes</p> <p><i>A panel discussion.</i></p> <p><i>Moderator: Justine Schaen, NSF's NOIRLab</i></p>	
3:20 pm	Refreshment Break			

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Time	Topics		
3:40 pm MST	<p>Panel Session on Reporting The panel will share and discuss good practices on project reporting including Risk Management and Change Control and Reporting Use of Contingencies.</p> <p><i>Moderator: Ryszard Kaczmarek, Research Infrastructure Advisor, Research Infrastructure Office (BFA/RIO), NSF</i></p> <p><i>Ernest Fontes, Technical Director, Cornell Laboratory for Accelerator-based ScienceS and Education CLASSE</i></p> <p><i>Paul Matthias, Sr. Program Manager, Woods Hole Oceanographic Institution, (WHOI)</i></p> <p><i>JP Slavinsky, Technical Director OpenStax, Rice University</i></p> <p><i>William Graves, Director, Compact X-ray Free Electron Laser (CXFEL), Arizona State University</i></p> <p><i>David Lunger, Project Manager, NHMFL, FSU</i></p>	<p>Lessons Learned from Planning and Conducting Critical Lift Operations, and Defining Overall Safety Training and Oversight <i>Danny Sellers, Head Safety Officer, LIGO</i></p> <p><i>Reva Golden, EHS Specialist / Industrial Hygienist, UCAR</i></p> <p>The Importance of Communication and Collaboration Across the RI Community <i>Brian Hawkins, Program Director, NSF Arctic Research Support & Logistics Services (ARSLS) Program, Battelle.</i></p>	<p>The EPO Journey of the Vera C. Rubin Observatory <i>Alan Strauss, NSF's NOIRLab</i> <i>Stephanie Deppe, NSF's NOIRLab</i> <i>Ardis Herrold, NSF's NOIRLab</i></p>
4:30 PM	Coffee Break		
4:45 pm MST	<p>Recap of Monitoring Progress Against Plan on Mid-scale Research Infrastructure <i>Matthew Hawkins, Head, Research Infrastructure Office, NSF</i></p>	<p>Coordinating Research Activities Using Navy SEAL Planning Methods <i>Daniel Zehner, Scheduling and Operations Coordinator, NHERI-NCO</i></p>	<p>Event-driven Communication and Crisis Communication <i>Moderator: Lars Christensen (NSF's NOIRLab)</i></p>
5:15 pm	End Sessions		
7:30 - 9:30 pm MST	<p>Stargazing Activity provided by NSF's NOIRLab <i>Hot Cocoa and Light Dessert</i></p>		
	End Day 3 of Workshop		

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

Time	Topics
8:00 am MST	NSF Research Security Training Modules: Research Security Training <i>Sarah Stalker Lehoux, Deputy Chief of Research Security Strategy and Policy, NSF</i>
8:30 am MST	Overview of ESO ELT Construction Project <i>Roberto Tamai, ESO's ELT Programme Manager, European Southern Observatory (ESO)</i>
9:00 am	Coffee Break
9:15 am MST	Overview of the Research Infrastructure Portfolio of NOAA's Oceanic and Atmospheric Research Labs, <i>This includes research vessels, atmospheric baseline observatories, and atmospheric and oceanic measurement networks with a focus on sustainability of atmospheric (greenhouse gases and other measurements), and efforts toward net-zero operations.</i> <i>Vanda Grubišić, Director, Global Monitoring Laboratory, NOAA Oceanic and Atmospheric Research</i>
10:15am	Refreshment Break
10:35 am MST	Lessons Learned from Recent Cybersecurity Incidents <i>Chris Morrison, NSF's NOIRLab Head of IT Operations</i>
11:05 am MST	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 MST	Closing Remarks <i>Matthew Hawkins, Head, Research Infrastructure Office, NSF</i>
11:45 pm MST	-- End Workshop --