2024 NSF RESEARCH INFRASTRUCTURE WORKSHOP
MARCH 26 - 29, 2024 • TUCSON, ARIZONA
Image Credit: Vera C. Rubin Observatory, CTIO/NOIRLab/DOE/NSF/AURA T.A. R, Richard F. Caris Mirror Lab/Gabrielle Perez

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

Monday, March 25, 2024

Time	Topics
5-6 pm MT	In-Person Pre-Registration *Westward Look Wyndham*

Tuesday, March 26, 2024 – Day 1

Time	Topics
8:00 am MT	Opening Remarks *Matthew Hawkins, Head, Research Infrastructure Office, NSF* *Linnea Avallone, Chief Officer for Research Facilities, NSF*
8:40 am MT	Introduction to NSF's National Optical-infrared Astronomy Research Laboratory *Pat McCarthy, Director of NSF's National Optical-infrared Astronomy Research Laboratory (NOIRLab)*
9:05 am MT	Introduction to University of Arizona, Mirror Lab *Cathi Duncan, Development and Stewardship Manager, Richard F. Caris Mirror Lab, The University of Arizona*
9:30 am MT	Introduction to University of Arizona, Biosphere 2 *John Adams, Deputy Director, Chief Operating Officer, BIOSPHERE 2, The University of Arizona*
9:55 am	*Refreshment Break*
10:15 am MT	Outlook for the NSF and Federal Budgets *Beth Blue, Branch Chief, Program Analysis Branch, Budget Division, NSF*
10:45 am MT	The Expanding Use of AI in Research Infrastructure
11:45 am	**Lunch**

Time	Topics			
	Award Management	**Mid-Scale RI**	**Cyberinfrastructure**	**OLPA (tentative)**
1:00 pm MT	Discussion on Updates to RIG Chap 1 Introduction and 2 NSF Life Cycle Oversight *Matthew Hawkins, Head, Research Infrastructure Office (BFA/RIO), NSF*	Building a Project Execution Plan (PEP) and Mid-scale RI considerations *Kim Calvery, Research Program Operations Officer, Oregon State University* *Mark Warner, Project Manager, National Solar Observatory* *Carol Wilkinson, Senior Project Manager, Wilkinson PM Consulting*	Cross Facility Workflows and Connectivity: Sharing data between facilities and the type of infrastructure required to do new science. *Bill Miller, Senior Advisor for Cyberinfrastructure, OAC, NSF*	In Person Workshop: Part I *This session will be offered in-person only*
1:30 pm MT	Overview of Directorate for Technology, Innovation, and Partnerships NSF Engines Program *Florence Rabanal, Program Director, TIP NSF*	RIG Update 2024: Discussion on Planned Changes in RIG Related to Mid-scale RI Projects *Matthew Hawkins, Head, Research Infrastructure Office (BFA/RIO), NSF* *Steve Ellis, Program Director, Division of Biological Infrastructure (BIO/ DBI), NSF*		
2:00 pm	*Coffee Break*			

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Time	Topics			
2:15 pm MT	Build America, Buy America: Lessons Learned from the Second Year of Implementation: BABA Update *Patrick Breen, Chief Acquisition Officer, Division of Acquisition and Cooperative Support (BFA/ DACS), NSF* Panel on ZEV Vehicle Transitions in FY2023 and Future Planning *Matthew Hawkins, Head, Research Infrastructure Office (BFA/RIO), NSF*	Mid-Scale Panel Discussions on Lessons Learned: Mid-scale *Research Infrastructure Projects Share* Lessons Learned from an Awardee Perspective	Cyberinfrastructure Panel Discussion	In Person Workshop: Part II *This session will be offered in-person only*
3:15 pm	*Refreshment Break*			
3:35 pm MT	Award Management Session	The Successful Transition from a Midscale Construction Project to a Midscale RI in Operations and its Impact	RIG Working Session on Cyberinfrastructure & Cybersecurity *Bill Miller, Senior Advisor for Cyberinfrastructure, OAC, NSF* *Michael Corn, Cybersecurity Advisor for Research Infrastructure, OD, NSF* *Alison Rockwell, Research Infrastructure Advisor, RIO, NSF*	In Person Workshop: Part III *This session will be offered in-person only.*
4:30 pm MT	In-Person Poster Session			
5:15 pm MT	**Welcome Reception** *Hors d'Oeuvres and Cash Bar*			
6:30 pm MT	**End Day 1 of Workshop**			

Wednesday, March 27, 2024 – Day 2

Time	Activities			
	Kitt Peak Tour	*Biosphere 2 Tour*	*Mirror Lab Tours*	*Virtual Activities*
7:15 am	**Breakfast** *(ends 8:15am MT)*			
7:45 am MT	**Group Tour** *Transportation and Onsite Lunch Provided*	**Group Tour** *Transportation and Boxed Lunch Provided*	**Three Group Tours (Consecutive)** *Transportation and Boxed Lunch Provided*	
8:40 am MT				Change Control Webinar
10:05 am MT				**Break**
11:15 am MT				**Speed Networking on Workshop App**
11:45 am MT				**Break** *Lunch provided for In-Person Attendees*
12:20 pm MT				Webinar on The Transition of Mid-Scale Facilities from Construction to Operations
2:00 pm MT	**Break**			
2:45 pm MT	**Virtual Poster Session** *(4:45 pm – 5:15 pm ET)*			
3:15 pm MT	**Break**			
3:30 PM MT	**Student Poster Session** *Light Refreshments*			
5:15 pm MT	**End Day 2 of Workshop**			

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Thursday, March 28, 2024 – Day 3

Time	Topics		
	EHS	**Facilities and Operations**	**Cybersecurity**
8:00 am MT	Safety and DEI: Lessons Learned and Exemplary Practices *Lyndele McCain von Schill, Director of Diversity & Inclusion, NRAO*	Preparing an Operations and Maintenance Budget: Approaches and Practices for Budget Contingency. *Paula Mabee, Chief Scientist and Observatory Director, NEON* *Chris McKay, Operations Manager, NEON*	Lessons Learned from Recent Cybersecurity Incidents
8:50 am	*Coffee Break*		
9:05 am MT	Part I: Lessons Learned from Safety Observations and Near Misses Part II: How to Conduct a Safety Incident Investigation *Moderator: Danny Sellers, Head Safety Officer, LIGO*	Community Review and Discussion on Planned Changes in New Sub-section of RIG Section 3 that Relate to Annual Operations Planning *Charlotte Roehm, Steve Ellis, and Chris Davis, Program Directors, NSF*	Risk Management and Cybersecurity: How to include Cybersecurity as part of Risk Management Planning *Michael Corn, Cybersecurity Advisor for Research Infrastructure, OD, NSF*
9:55 am	*Refreshment Break*		
10:15 am MT	Workplace Safety: Tips for Leadership for a Successful Safety Performance. *Giovanni Corvetto, Safety, Health & Environment Mgr, Rubin Observatory.* How to Use Best Practices to Become Safety Compliant. *Reva Golden, EHS Specialist / Industrial Hygienist, UCAR*	Community Review and Discussion on the Draft FCA and AMP section of the RIG *Matthew Hawkins, Head, Research Infrastructure Office (BFA/RIO), NSF* *Richard Oram, Research Infrastructure Office, NSF*	Information Security and Research Security Programs at NSF NCAR *Michael Corn, Cybersecurity Advisor for Research Infrastructure, OD, NSF* *Greg Madden, UCAR Chief Information Officer*
11:05 am	*Coffee Break*		
	Project Management	**Facilities and Operations**	**Cybersecurity**
11:20 am MT	Implementing Earned Value Management (EVM) at the Right Level; Scaling and Tailoring	Overview of Recent Facility Condition Assessments and Annual Maintenance Plans of NHMFL and NOIRLab	Cybersecurity Panel Discussion
12:10 pm MT	*Lunch*		

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Time	Topics		
	Project Management	**Facilities and Operations**	**EPO**
1:25 pm MT	Defining what Tailoring, Scaling and Progressive Elaboration Plans Means to All Lifecycle Phases: New RIG sub-section under Section 4.	Practical Steps for Recruitment & Retention *Moderator: Hannah Hansen, LIGO Chief Operations Officer*	Outreach and Early Career Programs
2:15 pm	*Coffee Break*		
2:30 pm MT	Panel Session on Reporting *The panel will share varied examples and experiences including:* Risk Management and Change Control *Reporting Use of Contingencies*	Sustainability in Operations: Overview of the NOIRLab's Strategy to Reduce Carbon Emissions *Inger Jorgensen, Chief Sustainability Officer at NSF's NOIRLab*	Data-driven Outreach
3:20 pm	*Refreshment Break*		
3:40 pm MT	Monitoring Progress Against Plan: Review of new RIG text (sub-section of Section 4) and Examples from Current Projects *Facundo Funes, Research Infrastructure Office (BFA/RIO), NSF*	Part I: Lessons Learned from Operations: Gemini North Recovery Following Incident During Mirror Movement Part II: Training, Safety and Oversight: How to Effectively Train Facility Users and the Staff who Operate and Maintain the Facilities	The EPO Journey of the Rubin Telescope
4:30 PM	*Coffee Break*		
4:45 pm MT	Presentation on Using Simple and Available Tools like MS Excel and Word for PM	The Importance of Communication and Collaboration across RI Community	Science Facilities and their Social and Economic Impact on Communities. (Science for development)
5:15 pm	**End Sessions**		
Evening	**Stargazing Activity provided by NOIRLab** *Hot Cocoa and Light Dessert*		
	End Day 3 of Workshop		

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

Time	Topics
8:00 am MT	**Overview of ESO ELT Construction Project** *Roberto Tamai, ESO's ELT Programme Manager, European Southern Observatory (ESO)*
8:30 am MT	**Celebrating 75 Years of Discovery and New Branding Policy** *Cori Bassett, Creative Services Branch Chief, Acting Public and Media Affairs Branch Chief, Office of Legislative & Public Affairs (OLPA), NSF*
9:00 am	*Coffee Break*
9:15 am MT	**Moving Legacy Data Systems to a Cloud: Use Cases with Data and Cloud Providers** *Manil Maskey, Senior Research Scientist, NASA HQ Science Mission Directorate AI Lead. Project Manager, NASA MSFC*
10:15am	*Refreshment Break*
10:35 am MT	Plenary
11:35 am MT	**Closing Remarks** *Matthew Hawkins, Head, Research Infrastructure Office, NSF*
11:45 am	*-- End Workshop --*