

Mid-Scale Research Infrastructure - Track 1 (MSRI-1)

Facility/Project	Mid-Scale Program	Acronym	Location	Stage	Recipient	DIR/DIV	Program Officer(s)	Phone	Email
Next Generation Event Horizon Telescope Design	Track 1	ngEHT	Distributed	Design	Smithsonian Institution Astrophysics Observatory	MPS/AST	Sharp, Nigel A.	(703) 292-4905	nsharp@nsf.gov
Next Generation Wyoming King Air Atmospheric Research Aircraft	Track 1	UWKA	Laramie, WY	Implementation	University of Wyoming	GEO/AGS	Subhashree (Shree) Mishra	(703) 292-2979	sumishra@nsf.gov
1.2 GHz NMR Spectrometer for National Gateway Ultrahigh Field NMR Center	Track 1		Columbus, OH	Implementation	Ohio State University	BIO/DBI	Robert Fleischmann	(703) 292-7191	rfleisch@nsf.gov
Consortium Proposal for CMB-S4 Design Development	Track 1	CMB-S4	Distributed	Development	University of Chicago	GEO/OPP	Vladimir O. Papitashvili	(703) 292-7425	vpapita@nsf.gov
Compact X-ray Free-Electron Laser Project	Track 1	CXFEL	Tempe, AZ	Design	Arizona State University	BIO/DBI	Robert Fleischmann	(703) 292-7191	rfleisch@nsf.gov
A world-class Neutron Spin Echo Spectrometer for the Nation: UD-NIST-UMD Consortium	Track 1		Gaithersburg, MD	Implementation	University of Delaware	MPS/DMR	Guebre X. Tessema	(703) 292-4935	gtessema@nsf.gov
FABRIC: Adaptive programmable networked Research Infrastructure for Computer science and science Applications	Track 1	FABRIC	Distributed	Implementation	University of North Carolina at Chapel Hill	CISE/CNS	Deepankar Medhi	(703) 292-2935	dmedhi@nsf.gov
Zettawatt-Equivalent Ultrashort pulse laser System	Track 1	ZEUS	Ann Arbor, MI	Implementation	University of Michigan-Ann Arbor	MPS/PHY	Vyacheslav (Slava) Lukin	(703) 292-7382	vlukin@nsf.gov
National Extreme Ultrafast Science Facility	Track 1	NEXUS	Columbus, OH	Implementation	Ohio State University	MPS/CHE	Kelsey D. Cook	(703) 292-7490	kcook@nsf.gov
SAGE: A Software-Defined Sensor Network	Track 1	SAGE	Distributed	Implementation	Northwestern University	CISE/OAC	Kevin Thompson	(703) 292-4220	kthompso@nsf.gov
Community Seafloor Geodetic Infrastructure for the Measurement of Deformation	Track 1	CSGIMD	La Jolla, CA	Implementation	University of California at San Diego, Scripps Institution of Oceanography	GEO/OCE	Gail Christeson	(703) 292-7978	dksmith@nsf.gov
Observatory for Online Human and Platform Behavior	Track 1	OOHPB	Boston, MA	Implementation	Northeastern University	SBE/SES	Joseph Whitmeyer	(703) 292-7808	jwhitmey@nsf.gov
Next Generation Radar Designs	Track 1	ngRD	Washington, DC	Design	Associated Universities, Inc.	MPS/AST	Nigel Sharp	(703) 292-4905	nsharp@nsf.gov
Facility for Open Research in a Compressed Environment	Track 1	FORCE	Tempe, AZ	Implementation	Arizona State University	GEO/EAR	David Lambert	(703) 292-4736	dlambert@nsf.gov
Preliminary & Final Design of the 40T All Superconducting Magnet	Track 1	40T SCM	Tallahassee, FL	Design	Florida State University	MPS/DMR	Leonard Spinu	(703) 292-2665	lspinu@nsf.gov
A Deep Soil Ecotron facility to explore belowground communities and ecosystem processes	Track 1	DSE	Moscow, ID	Implementation	University of Idaho	BIO/DBI	Robert Fleischmann	(703) 292-7191	rfleisch@nsf.gov
EduceLab: Infrastructure for Next-Generation Heritage Science	Track 1	EduceLab	Lexington, KY	Implementation	University of Kentucky	CISE/IIS	Sylvia Spengler	(703) 292-7347	sspengle@nsf.gov
Designing a global measurement infrastructure to improve Internet security	Track 1	GMI3S	La Jolla, CA	Design	University of California-San Diego	CISE/OAC	Kevin Thompson	(703) 292-4220	kthompso@nsf.gov
National Silicon Carbide Research Fabrication Facility	Track 1	MUSIC	Fayetteville, AR	Implementation	University of Arkansas	ENG/ECCS	Rosa Lukaszew	(703) 292-8103	r lukaszew@nsf.gov
Design and Construction of a New Generation of Ocean-Bottom Seismographs for the U.S. Academic Community	Track 1	ngOBS	Woods Hole, MA	Implementation	Woods Hole Oceanographic Institution	GEO/OCE	Gail Christeson	(703) 292-7978	dksmith@nsf.gov
Atmospheric Science and Chemistry mEasurement NeTwork	Track 1	ASCENT	Atlanta, GA (Distributed)	Implementation	Georgia Tech	GEO/AGS	Nicholas Anderson	(703) 292-4715	nanderso@nsf.gov

Mid-Scale Research Infrastructure - Track 2 (MSRI-2)

Facility/Project	Mid-Scale Program	Acronym	Location	Stage	Recipient	DIR/DIV	Program Officer(s)	Phone	Email
High Magnetic Field X-Ray Beamline	Track 2	HMF	Ithaca, NY	Implementation	Cornell University	MPS/DMR	Guebre X. Tessema	(703) 292-4935	gtessma@nsf.gov
Distributed Energy Resource Connect	Track 2	DERConnect	San Diego, CA	Implementation	University of California at San Diego	ENG/ECCS	Usha Varshney	(703) 292-5385	uvarshne@nsf.gov
Global Ocean Biogeochemistry Array	Track 2	GO-BGC	Distributed	Implementation	Monterey Bay Aquarium Research Institute	GEO/OCE	Kandace S. Binkley	(703) 292-7577	kbinkley@nsf.gov
Consortium: Network for Advanced NMR	Track 2	NAN	Distributed	Implementation	University of Connecticut Health Center	GEO/OCE	Steve Ellis	(703) 292-7876	stellis@nsf.gov
Research Data Ecosystem (RDE)	Track 2	RDE	Ann Arbor, MI	Implementation	University of Michigan-Ann Arbor	SBE/SMA	Cheryl Eavey	(703) 292-7269	ceavey@nsf.gov
CXFEL: Compact X-ray Free Electron Laser	Track 2	CXFEL	Tempe, AZ	Implementation	Arizona State University	BIO/DBI	Steven E. Ellis	(703) 292-7876	stellis@nsf.gov
Advanced Millimeter Survey Instrumentation in Chile	Track 2	ASO	Chile	Implementation	University of Pennsylvania	MPS/AST	Nigel Sharp	(703) 292-4905	nsharp@nsf.gov
Airborne Phased Array Radar	Track 2	APAR	Boulder, CO	Implementation	National Center for Atmospheric Research / University Corporation for Atmospheric Research	GEO/AGS	Maria Womack	(703) 292-2620	mwomack@nsf.gov

Mid-Scale Research Infrastructure - Other (Divisional, including solicited and unsolicited)

Facility/Project	Mid-Scale Program	Acronym	Location	Stage	Recipient	DIR/DIV	Program Officer(s)	Phone	Email
Advanced Modular Incoherent Scatter Radar	n/a	AMISR	Fairbanks, AK	Operations	SRI International	MPS/AST GEO/AGS	Roman Makarevich	(703) 292-7207	rmakarev@nsf.gov
Center for High Energy X-ray Science (NSF-CHEXS)	n/a	CHEXS	New York	Operations	Cornell University	MPS/DMR	Guebre X. Tessema	(703) 292-4935	gtessma@nsf.gov
National Deep Submergence Facility	n/a	NDSF	Mobile	Operations	Woods Hole Oceanographic Institution	GEO/OCE	Brian P. Midson	(703) 292-8145	bmidson@nsf.gov
Natural Hazards Engineering Research Infrastructure	n/a	NHERI	Distributed	Operations	11 Individual Awards to Various Universities	ENG/CMMI	Joy M. Pauschke	(703) 292-7024	jpauschk@nsf.gov
-- National Full-scale Testing Infrastructure for Community Hardening in Extreme Wind, Surge, and Wave Events	n/a	NICHE	Miami, FL	Design	Florida International University	ENG/CMMI	Joy M. Pauschke	(703) 292-7024	jpauschk@nsf.gov
National Nanotechnology Coordinated Infrastructure	n/a	NNCI	Distributed	Operations	16 member university consortium	ENG/ECCS	Lawrence S. Goldberg	(703) 292-8339	lgoldber@nsf.gov
The Keck Planet Finder	MSIP (AST)	KPF	Hawaii	Implementation	California Institute of Technology	MPS/AST	Nigel Sharp	(703) 292-4905	nsharp@nsf.gov
Design Development of Innovative High Throughput CMB Telescope for the South Pole	MSIP (AST)	SPTMA	Antarctica	Design	University of Chicago	GEO/OPP	Vladimir Papitashvili	(703) 292-7425	vpapita@nsf.gov
Exploring & Exploiting the Dynamic Optical Sky	MSIP (AST)	ZTF-II	Palomar Mountain, CA	Operations	California Institute of Technology	MPS/AST	Nigel Sharp	(703) 292-4905	nsharp@nsf.gov
Large Angular Scale Polarization Survey of the Cosmic Microwave Background - Phase Two	MSIP (AST)	CLASS	Chile	Implementation	Johns Hopkins University	MPS/AST	Nigel Sharp	(703) 292-4905	nsharp@nsf.gov
U.S. Community Access to Las Cumbres Observatory Global Telescope Network - A Time-Domain Follow-up System	MSIP (AST)	AccessLCOGTN	Distributed	Operations	Las Cumbres Observatory Global Telescope Network	MPS/AST	Nigel Sharp	(703) 292-4905	nsharp@nsf.gov
US Community Access to the Large Millimeter Telescope	MSIP (AST)		Mexico	Operations	University of Massachusetts Amherst	MPS/AST	Nigel Sharp	(703) 292-4905	nsharp@nsf.gov

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Send questions or comments on the content to: rjoram@nsf.gov

The Event Horizon Telescope: Resolving Black Holes in Time and Space	MSIP (AST)	RBHiTS	Distributed	Operations	Northeast Radio Observatory Corp	MPS/AST	Nigel Sharp	(703)292-4905	nsharp@nsf.gov
SDSS 2020: Delivering Innovative Science to the Community, Incubating the Community's Scientific Innovators	MSIP (AST)	SDSS-V	New Mexico	Implementation	Astrophysical Research Consortium	MPS/AST	Nigel Sharp	(703)292-4905	nsharp@nsf.gov
The Deep Sky Every Minute: Developing the Argus Array	MSIP (AST)		Mount Laguna, CA	Design	University of North Carolina at Chapel Hill	MPS/AST	Nigel Sharp	(703)292-4905	nsharp@nsf.gov
BL3 Neutron Lifetime Apparatus	I-IRP (PHY)	BL3	Knoxville, Tennessee	Implementation	Tulane University	MPS/AST	Allena Opper	(703)292-8958	aopper@nsf.gov
DarkSide-20k	I-IRP (PHY)	DarkSide	Italy	Implementation	Princeton University	GEO/OPP	Darren Grant	(703)292-8977	dgrant@nsf.gov
Collaborative Research: Apparatus for Normalization and Systematic Control of the MOLLER Experiment	I-IRP (PHY)	MOLLER	Jefferson Lab, Newport News, VA	Implementation	9 Individual Awards to Various Universities	MPS/AST	Allena Opper	(703)292-8958	aopper@nsf.gov
Consortium Proposal for CMB-S4 Continuing Design	MSIP (AST)	CMB-S4	Distributed	Development	University of Chicago	MPS/AST	Nigel Sharp	(703)292-4905	nsharp@nsf.gov
ngVLA Antenna Prototyping and Early Science	MSIP (AST)	ngVLA	New Mexico	Implementation	Associated Universities, Inc.	MPS/AST	Nigel Sharp	(703)292-4905	nsharp@nsf.gov