RIT

RIT College of Science Grant Awards (2022)

Grant Awards for 2022

Initial Award	Title	PI
12/07/22	Confirmation of the Highest Redshift [OII] Emitters at z ~ 5	Khostovan, Ali Ahmad
11/22/22	Laboratory for Advanced Spectral Sensing (LASS) Studies and Development	Sirianni, Joseph
11/17/22	Hybrid and Heterogeneous Integration of PICs for RF Photonic Imaging Systems	Hubbard, Seth
11/04/22	Development of DMD Devices	Ninkov, Zoran
10/06/22	Polarimetric Observer Light Analyzing Research (POLAR) Mission	Ninkov, Zoran
10/05/22	Femtosecond Laser Inscription of 3D Waveguide Beam Splitters and Integrated Photonic Circuits for Mid-IR sensing	Qiao, Jie
10/05/22	Diffractive Solar Sailing	Swartzlander, Grover
09/30/22	Global Surveillance Augmentation Using Commercial Satellite Imaging Systems (Phase III)	Ientilucci, Emmett
09/20/22	Collaborative research: WoU-MMA Constraning the nuclear EOS and population of neutron star mergers through observations of transient and persistent phenomena	O'Shaughnessy, Richard
09/09/22	Webb Epoch of Reionization Lyalpha Survey (WERLS)	Kartaltepe, Jeyhan
09/02/22	The RIT Science and Mathematics Education Research Collaborative Postdoctoral Program	Newman, Dina
08/25/22	SAR Image Formation and ATR Studies	Albano, James
08/23/22	DIRSIG Riverstrike Support	Salvaggio, Philip
08/18/22	NSF GRFP Fellowships 2021-2026	Lam, Michael
08/16/22	Developing the largest IR detectors for future NASA focal planes	Figer, Don
08/10/22	Design Principles of Size-Control of Organelles Growing in a Shared Pool of their Building Blocks	Mohapatra, Lishibanya
08/09/22	Composing the History of Near-IR and Optical Light Production with the Cosmic Infrared Background Experiment-2 (CIBER-2)	Zemcov, Michael
08/05/22	Globally derived measures of structure informed by ecological theory and observation	van Aardt, Jan
08/02/22	Collaborative Research: Conference: NSF workshop on Models for Uncovering Rules and Unexpected Phenomena in Biological Systems (MODULUS)	Das, Moumita

08/01/22	Radio Studies of Planetary Nebulae: Probing Radiation-driven Molecular Chemistry	Kastner, Joel
07/29/22	LEAPS-MPS: Computational Modeling to Characterize and Attribute Uncertainty in Future Coastal Risk	Wong, Tony
07/11/22	High-Efficiency Laser Power Beaming Receiver for Lunar and Extraterrestrial Exploration	Hubbard, Seth
06/29/22	Collaborative Research: Evaluating the Impact of the Promoting Active Learning and Mentoring (PALM) Network on Vision & Change Awareness and Implementation	Newman, Dina
06/28/22	Explorations of Extreme and Eccentric BBH mergers	Lousto, Carlos
06/24/22	Fundamental Image Science Research	Ientilucci, Emmett
06/21/22	Probing the Interstellar Medium of Galaxies in the Early Universe	Kartaltepe, Jeyhan
06/21/22	COSMOS-Web: The JWST Cosmic Origins Survey	Kartaltepe, Jeyhan
06/10/22	Phase 3: The Extension to Integrated Mid-Infrared Sources Enabled by Waveguides Written with Femtosecond Lasers : Inscription of Waveguides in IG2 Glass	Qiao, Jie
06/09/22	LEAPS-MPS: Direct methods for data-rich inverse problems	Babaniyi, Olalekan
06/03/22	Energy Web Employing Planar Optics	Swartzlander, Grover
05/11/22	RadSCape: radiative transfer simulation and validation of the dynamic structural and spectral properties of the vegetation of the Cape	van Aardt, Jan
05/05/22	Toward a Uniform and Complete Keck Spectroscopic Archive for the COSMOS Legacy Field	Kartaltepe, Jeyhan
05/03/22	OpenVDB Plume Plugin for DIRSIG	Goodenough, Adam
04/22/22	(CeFO) General Aperture freeform high-definition metrology using reconfigurable CGH powered by deep learning	Qiao Jie
04/21/22	Understanding Our Nearest Youngest Neighbors: NASA Archival Studies of Young Stars Near the Sun	Kastner, Joel
04/12/22	Great Lakes Plastic Cleanup	Tyler, Christy
03/16/22	Collaborative Research: SHF: Small: Enabling Efficient 3D Perception: An Architecture-Algorithm Co-Design Approach	Lu, Guoyu
02/28/22	Femtosecond laser-based fabrication of waveguide lasers	Qiao, Jie
02/25/22	Development of High Dynamic Range (HDR) Capabilities of CID Sensors	Ninkov, Zoran
02/21/22	Molecularly Targeted Probes for Photodynamic Therapy and Imaging of Breast Cancer	Schmitthenner, Hans
02/13/22	Physicochemical properties driving membrane-less organelle assembly in bacteria	Das, Moumita
02/11/22	DIRSIG Riverstrike Support	Salvaggio, Philip
02/08/22	Research Experiences for Undergraduates: Multidisciplinary Research on Student Success in STEM at the Rochester Institute of Technology	Wright, Leslie Kate
01/13/22	Collaborative Research: Sustainable CURE implementation	Craig, Paul
01/12/22	Composing the History of Near-IR and Optical Light Production with the Cosmic Infrared Background Experiment-2 (CIBER-2)	Zemcov, Michael