

10/5/2016	Proposals						
Submit Date	PI Name	Dept	Project Title	Agency	Total	Proposed Start Date	Proposed End Date
7/6/2016	Boehm, Robert	Center for Energy Research	The Solar Energy-Water-Environment Nexus in Nevada - Solar Energy Lab Kits	NV System of Higher Education	5,000	6/1/2016	4/30/2017
	Batista, Jacimaria	Co-PI	Civil & Envirnmntl Eng & Const				
7/6/2016	Kachroo, Pushkin	Elec & Comp Engineering	Deep Intelligence Based Optimal Real-Time Hierarchical Planning, Design, Operation and Visualization of Human and Machine Integrated Systems	National Aeronautics and Space Administration	477,757	1/1/2017	12/31/2019
7/5/2016	Paz-Cruz, Alexander	Transportation Research Center	Development of a Congestion Monitoring System for Nevada to Track, Monitor and Mitigate Congestion on Nevada's Roadway Network	Nevada Department of Transportation	178,587	1/1/2017	12/31/2017
7/6/2016	Boehm, Robert	Center for Energy Research	The Solar Energy-Water-Environment Nexus in Nevada - UROP Scholarships (Diversity Plan) Task 7	NV System of Higher Education	4,750	7/1/2016	5/31/2017
	Regner, Kurt	Co-PI	School of Life Sciences				
7/6/2016	Boehm, Robert	Center for Energy Research	The Solar Energy-Water-Environment Nexus in Nevada - UROP Scholarships (Workforce Development) Task 5	NV System of Higher Education	9,500	7/1/2016	5/31/2017
	Regner, Kurt	Co-PI	School of Life Sciences				
7/8/2016	Zhao, Hui	Mechanical Engineering	Nanostructure-Enhanced Solution-Phase Nanoplasmonic Biosensing Devices for Rapid Detection of Foodborne Pathogens	U.S. Department of Agriculture	150,000	2/1/2017	1/31/2019
7/13/2016	Bein, Wolfgang	Ctr for Info Tech & Algorithms	US-Japan Planning Visit on Power Management, Energy-Efficient Computing and Smart Control for Alternative Energy	National Science Foundation	5,000	8/1/2014	7/31/2017
7/8/2016	Zhan, Justin (Zhijun)	Computer Science	Establishing an Army Educational Outreach Program Site in Data Science and Engineering at University of Nevada, Las Vegas	Technology Student Association	13,333	6/1/2016	9/30/2016
7/12/2016	Zhan, Justin (Zhijun)	Computer Science	NIST-NICE Workforce Development	National Institute of Standards & Technology	200,000	10/1/2016	1/31/2018
7/14/2016	Moon, Jaeyun	Mechanical Engineering	3D Additive Manufacturing Capability for Space Applications: Research Infrastructure Development	EPSCoR/National Aeronautics & Space Administration	99,966	10/1/2016	9/30/2017
7/20/2016	Moon, Jaeyun	Center for Energy Research	CAREER: Electron and Thermoelectric Behavior in 2D Sulfide Crystals and Carbon Nanotubes Composites for Self-Powering Applications	National Science Foundation	698,926	1/1/2017	12/31/2021
7/20/2016	Morris, Brendan	Elec & Comp Engineering	CAREER: Understanding Human Interactions and Behavior for Autonomous Driving	National Science Foundation	505,895	8/1/2017	7/31/2022
7/21/2016	Bansal, Shubhra	Mechanical Engineering	CAREER: Stable and Wide Bandgap Perovskite Materials for High Efficiency Photovoltaic and Photocatalytic Devices	National Science Foundation	500,016	1/1/2017	12/31/2021
7/25/2016	Kim, Si Jung	Dean, College of Engineering	IEEE IROS App Development	Korea Robotics Society	24,000	7/15/2016	10/14/2016
7/26/2016	Shrestha, Pramen	Civil & Envirnmntl Eng & Const	Developing Risk-Based Strategies for Managing Critical Risks to NDOT's Mission	Nevada Department of Transportation	224,840	11/1/2016	10/31/2018
	Stephen, Haroon	Co-PI	Civil & Envirnmntl Eng & Const				
7/26/2016	Stephen, Haroon	Civil & Envirnmntl Eng & Const	CAREER: Morphology-Dependent Flooding in Urban Micro-Watersheds: An Integration of Hydrologic and 3D City Modeling in GIS	National Science Foundation	589,451	1/1/2017	12/31/2021
7/26/2016	Batista, Jacimaria	Civil & Envirnmntl Eng & Const	Chromium Removal Investigations	Tetra Tech, Inc	124,924	7/15/2016	12/23/2016
7/20/2016	Zhan, Justin (Zhijun)	Computer Science	Acquisition of an Extreme GPU Cluster for Network Science and Big Data Research and Education	U.S. Army Research Office	1,500,000	7/15/2017	7/14/2018
8/8/2016	Batista, Jacimaria	Civil & Envirnmntl Eng & Const	Bench-Scale Evaluation of Wastewater Treatment Options for the Olin Plant in Henderson, Nevada - Phase 1	Olin Chlor Alkali Products	8,603	6/29/2016	7/20/2016
	Gerrity, Daniel	Co-PI	Civil & Envirnmntl Eng & Const				
7/29/2016	Zhan, Justin (Zhijun)	Computer Science	An Integrated Heterogeneous Social Information Network Learning System	Advanced Research Projects Agency	450,559	1/1/2017	12/31/2019
7/26/2016	Boehm, Robert	Center for Energy Research	The Solar Energy-Water-Environment Nexus in Nevada - Solar Energy Lab Kits	NV System of Higher Education	5,504	6/1/2016	4/30/2017
	Batista, Jacimaria	Co-PI	Civil & Envirnmntl Eng & Const				
8/15/2016	Barzilov, Alexander	Mechanical Engineering	Tri-Mode Radiation Detector for SDRD Project 2016 - Task 7	National Security Technologies	5,000	3/17/2016	9/30/2016
8/12/2016	Ahmad, Sajjad	Civil & Envirnmntl Eng & Const	Collaborative Research: The Western Consortium for Watershed Analysis, Visualization and Exploration (WC-WAVE)	EPSCoR/National Science Foundation	40,260	8/1/2013	7/31/2017
	Stephen, Haroon	Co-PI	Civil & Envirnmntl Eng & Const				
8/16/2016	Batista, Jacimaria	Civil & Envirnmntl Eng & Const	Bench-Scale Testing to Support Pilot-Testing of Groundwater Seepage Interception at Pabco Road, (NERT Site), Henderson, Nevada	Tetra Tech, Inc	102,123	11/15/2016	3/15/2017
8/16/2016	Shrestha, Pramen	Civil & Envirnmntl Eng & Const	Project Delivery Performance Evaluation and Decision Support Tool for Water and Wastewater Capital Projects	Water Research Foundation	149,863	10/1/2016	9/29/2018
	Batista, Jacimaria	Co-PI	Civil & Envirnmntl Eng & Const				
8/16/2016	Shrestha, Pramen	Civil & Envirnmntl Eng & Const	Assessment of Demand for the use of Design-Build Delivery in the Public Sector	Water Design Build Council	96,739	9/15/2016	3/15/2017
	Batista, Jacimaria	Co-PI	Civil & Envirnmntl Eng & Const				
8/15/2016	Yim, Woosoon	Mechanical Engineering	IRES: Highly Sustainable and Safe UAS Based Radiation Sensing and Source Localization	National Science Foundation	249,999	1/1/2017	12/31/2020
	Barzilov, Alexander	Co-PI	Mechanical Engineering				
8/4/2016	Gerrity, Daniel	Civil & Envirnmntl Eng & Const	Plant Uptake of Contaminants of Emerging Concern in Agroecosystems Irrigated with Reclaimed Water	U.S. Department of Agriculture	495,691	1/1/2017	12/31/2019
	Devitt, Dale	Co-PI	School of Life Sciences				
8/1/2016	Stefik, Andy	Computer Science	CAREER: An Empirical Investigation into the Human Factors Impact of Software Construction	National Science Foundation	465,278	1/20/2016	1/19/2021

9/9/2016	Batista, Jacimaria	Civil & Envirnmntl Eng & Const	Removal of Ammonia and Fluoride from Sulfidic Caustic Solution (SCS) from Oil Processing	Radian Chemicals	16,287	3/15/2015	3/31/2017
9/9/2016	Batista, Jacimaria	Civil & Envirnmntl Eng & Const	Separation of Lithium by Ion-Exchange Resins	Malvi-Technologies	6,533	10/1/2016	12/30/2016
9/9/2016	Boehm, Robert	Center for Energy Research	The Solar Energy-Water-Environment Nexus in Nevada - Task 2 - Nexus Research	EPSCoR/National Science Foundation	1,025,701	6/1/2013	5/31/2018
	Batista, Jacimaria	Co-PI	Civil & Envirnmntl Eng & Const				
9/9/2016	Boehm, Robert	Center for Energy Research	The Solar Energy-Water-Environment Nexus in Nevada - Task 3 - Cyber Infrastructure Research	EPSCoR/National Science Foundation	22,176	6/1/2013	5/31/2018
	Batista, Jacimaria	Co-PI	Civil & Envirnmntl Eng & Const				
9/9/2016	Boehm, Robert	Center for Energy Research	The Solar Energy-Water-Environment Nexus in Nevada - Task 4 - CI Plan	EPSCoR/National Science Foundation	10,800	6/1/2013	5/31/2018
	Batista, Jacimaria	Co-PI	Civil & Envirnmntl Eng & Const				
9/9/2016	Boehm, Robert	Center for Energy Research	The Solar Energy-Water-Environment Nexus in Nevada - Task 5 - Workforce Development/Education	EPSCoR/National Science Foundation	135,462	6/1/2013	5/31/2018
	Batista, Jacimaria	Co-PI	Civil & Envirnmntl Eng & Const				
9/14/2016	Venkat, Rama	Dean, College of Engineering	NASA Teledyne Mentor-Protégé Program	Teledyne Brown Engineering, Inc-FPT	16,731	8/3/2015	12/31/2016
	Bernacki, Matthew	Co-PI	Educ Psy & Higher Edu				
	Nasoz, Fatma	Co-PI	Computer Science				
	Watkins, Helga	Co-PI	Dean, College of Fine Arts				
9/2/2016	Boehm, Robert	Center for Energy Research	The Solar Energy-Water-Environment Nexus in Nevada - Solar Energy Lab Kits	NV System of Higher Education	1,383	6/1/2016	4/30/2017
	Batista, Jacimaria	Co-PI	Civil & Envirnmntl Eng & Const				
9/7/2016	Trabia, Mohamed	Mechanical Engineering	NASA EPSCoR Technical Interchange Meeting	EPSCoR/National Aeronautics & Space Administration	1,367	8/1/2016	10/15/2016
9/1/2016	Zhan, Justin (Zhijun)	Computer Science	An Integrated Heterogeneous Social Information Network Learning System for Criminal Behavior Analytics	U.S. Department of Homeland Security	499,089	1/1/2017	12/31/2019
9/1/2016	Kim, Si Jung	Dean, College of Engineering	REU Site: Welcome to The STEM Strip in Fabulous Las Vegas: Entertainment Engineering Learning and the Experience of STEM Applications in a Digital Experience Town	National Science Foundation	359,637	3/1/2017	2/29/2020
	Rippee, Robert	Co-PI	International Gaming Institute				
9/8/2016	Yim, Woosoon	Mechanical Engineering	Highly Sustainable UAS with Radiation and Chemical Sensing Capabilities for Disaster Relief and Humanitarian Assistance	Air Force Office of Scientific Research	481,875	3/1/2017	2/28/2020
	Barzilov, Alexander	Co-PI	Mechanical Engineering				
8/29/2016	Paz-Cruz, Alexander	Transportation Research Center	Prototyping and Field Testing of a Demand-Responsive Rumble Strip Mechanism	University of Nevada, Reno	139,962	1/1/2017	12/31/2017
8/29/2016	Paz-Cruz, Alexander	Transportation Research Center	Deployment and Production of the Nevada Utility Data Layer System	Nevada Department of Transportation	130,014	10/1/2016	9/30/2020
8/23/2016	Zhan, Justin (Zhijun)	Computer Science	Bridging Big Data Research with Computational Chemistry Through Acquisition of a High Performance Computing Cluster	U.S. Department of Defense	600,000	3/24/2017	3/23/2017
	Forster, Paul	Co-PI	Chemistry & Biochemistry				
	Naduvalath, Balakrishnan	Co-PI	Chemistry & Biochemistry				
	Poineau, Frederic	Co-PI	Chemistry & Biochemistry				
	Taghva, Kazem	Co-PI	Computer Science				
8/29/2016	Zhan, Justin (Zhijun)	Computer Science	AdministrativeDataBridge - A Novel Approach to Linking Big Administrative Data	U.S. Department of Commerce	320,278	1/1/2017	12/31/2019
8/31/2016	Kim, Kwang	Mechanical Engineering	Establishment of a Volumetric 3-Component Velocity System and Flow Channel	U.S. Department of Defense	289,135	1/1/2017	12/31/2017
8/29/2016	Gerrity, Daniel	Civil & Envirnmntl Eng & Const	BACT Control: On-Line Quantification of E. Coli in Drinking Water and Recycled Water Applications	Governor's Office of Economic Development	39,517	1/1/2017	12/31/2018
9/14/2016	Pepper, Darrell	NV Ctr for Adv Comp Methods	A Cloud-Based, Real-Time Emergency Response System for First Responders	National Science Foundation	627,174	1/15/2017	1/14/2019
9/13/2016	Kim, Kwang	Mechanical Engineering	PIRE: Advanced Artificial Muscles for International and Globally Competitive Research and Education in Soft Robotics	National Science Foundation	749,415	10/1/2015	9/30/2020
	Oh, Paul	Co-PI	Mechanical Engineering				
9/7/2016	O'Toole, Brendan	Ctr for Materials & Structures	Broadband Optical Ranging (BLR) Experimental Investigations - Task 15	National Security Technologies	28,732	9/7/2016	9/30/2016
	Trabia, Mohamed	Co-PI	Mechanical Engineering				
9/1/2016	Yang, Mei	Elec & Comp Engineering	Acquisition of Hardware and Software to Enhance UNLV's Research and Education Capabilities in Exploring Virtual, Augmented and Mixed Realities	U.S. Army Research Office	498,702	4/24/2017	4/23/2018
	Jiang, Yingtao	Co-PI	Elec & Comp Engineering				
	Kim, Si Jung	Co-PI	Dean, College of Engineering				
	Yfantis, Evangelos	Co-PI	Computer Science				
9/12/2016	Wang, Zhiyong	Mechanical Engineering	Electrical Potential Assisted Machining (ePAM) of Titanium Alloys	National Science Foundation	524,144	7/1/2017	6/30/2020
9/15/2016	Hartmann, Thomas	Mechanical Engineering	INL Joint Appointment March 2016 - September 2017	Battelle Energy Alliance, LLC	35,000	3/1/2016	9/30/2017
9/23/2016	Hartmann, Thomas	Mechanical Engineering	Characterization of RERTR Fuel Plates	Idaho National Laboratory	30,024	9/9/2013	9/30/2017
9/23/2016	Oh, Paul	Mechanical Engineering	UGV-UAV Hybrid System for Unstructured Environment Exploration	University of Nevada, Reno	19,995	9/1/2016	8/31/2017
9/21/2016	Kim, Kwang	Mechanical Engineering	PIRE: Advanced Artificial Muscles for International and Globally Competitive Research and Education in Soft Robotics	National Science Foundation	762,186	10/1/2015	9/30/2020
	Oh, Paul	Co-PI	Mechanical Engineering				

9/14/2016	Zhan, Justin (Zhijun)	Computer Science	Establishment of a Scholarship for Service Program at University of Nevada, Las Vegas	National Science Foundation	950,075		
	Berghel, Harold	Co-PI	Computer Science				
	Gewali, Laxmi	Co-PI	Computer Science				
	Jo, Ju-Yeon	Co-PI	Computer Science				
	Kim, Yoohwan	Co-PI	Computer Science				
	Moody, Gregory	Co-PI	Mgmt, Entrepreneurship & Tech				
	Zhang, Shaoan	Co-PI	Teaching and Learning				
9/23/2016	Boehm, Robert	Center for Energy Research	The Solar Energy-Water-Environment Nexus in Nevada - Task 8 - State Match	NV System of Higher Education	22,630	7/1/2016	6/30/2017
	Batista, Jacimaria	Co-PI	Civil & Envirnmntl Eng & Const				
EGR	58			Total	15,725,588		
7/11/2016	Dufek, Janet	Kinesiology and Nutrition Sci	Evaluation of Plantar Pressure and Deformation During Walking in Diabetic Individuals	American Diabetes Association	1,616,021	1/1/2017	12/31/2021
	Trabia, Mohamed	Co-PI	Dean, College of Engineering				
7/18/2016	Shen, Jay	Health Care Admin and Policy	Impact of Hospital E H R Implementation on Quality, Patient Experience and Financial Performance	Agency for Healthcare Research and Quality	299,963	4/1/2017	3/31/2019
	Epane, Josue	Co-PI	Health Care Admin and Policy				
	Zhan, Justin (Zhijun)	Co-PI	Mechanical Engineering				
9/8/2016	Marchand, Gwen	Ctr for Res, Eval & Assessment	Collaborative Research: Student Engagement and Instructional Support in Undergraduate Stem Education: A Complex Systems Approach	National Science Foundation	815,708	6/1/2017	5/31/2020
	Hayes, Donald	Co-PI	Civil & Envirnmntl Eng & Const				
	Nasoz, Fatma	Co-PI	Computer Science				
8/9/2016	Bernacki, Matthew	Educ Psy & Higher Edu	Collaborative (Strategies): Leveraging Students' Out-of-School Interests to Enhance Algebra Skills and Motivation to Learn Mathematics	National Science Foundation	872,065	7/1/2017	6/30/2019
	Nasoz, Fatma	Co-PI	Computer Science				
8/10/2016	Vallett, David	Teaching and Learning	CodeBotix	National Science Foundation	1,199,400	7/1/2017	6/30/2020
	Oh, Paul	Co-PI	Mechanical Engineering				
	Schrader, PG	Co-PI	Teaching and Learning				
7/5/2016	Piotrowska-Jezierska, Joanna	Sr VP/Provost Office	2016 Nevada Summer Transportation Institute	NV Department of Transportation	86,822	7/6/2016	8/31/2016
	Breen, Erin	Co-PI	Transportation Research Center				
7/22/2016	Sudhakar, Ashok	School of Pub Policy & Ldshp	Mathematical Model and Predictive Analysis to Develop GIS Maps for Wildlife-Vehicle Conflict Avoidance	Nevada Department of Transportation	117,900	11/1/2016	9/30/2018
	Saberinia, Ebrahim	Co-PI	Elec & Comp Engineering				