

7/17/2019	FY 19 Awards						
Award Notice Received	PI Name	Dept	Project Title	Agency	Total	Start Date	End Date
08/29/2018	Harris, Sarah	Elec & Comp Engineering	Las Vegas Scholars Program: (Re)defining Academic Spaces of Belonging for Students and Families	National Science Foundation	650,000	10/1/2018	9/30/2023
	Co-PI Zhan, Justin (Zhijun)	Mechanical Engineering					
	Co-PI Marrun, Norma	Teaching and Learning					
03/14/2019	Muthukumar, Venkatesan	Elec & Comp Engineering	NASA Space Grant: PATHWAY TO NASA: Enabling Foundation for NASA's Earth and Space Science Missions	Nevada System of Higher Education	25,000	1/1/2019	4/9/2020
	Co-PI O'Toole, Brendan	Mechanical Engineering					
	Co-PI Regentova, Emma	Elec & Comp Engineering					
09/06/2018	Tian, Ying	Civil & Environmntl Eng & Const	Improving Precast System Connection Durability by Development of Nonproprietary Engineered Cementitious Material	University of California, Irvine	30,000	6/15/2018	6/14/2021
08/10/2018	Zhao, Hui	Mechanical Engineering	Development of a Multi-Scale Mathematical Model for Chip-Based Chromatography	National Institutes of Health	71,805	8/10/2018	5/31/2019
07/17/2018	Park, Jee Woong	Civil & Environmntl Eng & Const	Embedded Safety Communication System for Robust Hazard Perception of Individuals in Work Zones	CPWR The Center for Construction Research and Training	29,974	7/1/2018	6/30/2019
10/16/2018	Gerrity, Daniel	Civil & Environmntl Eng & Const	CRISP 2.0 Type 1: Interdependent Water Infrastructure in a Potable Reuse System	National Science Foundation	747,026	1/1/2019	12/31/2021
	Co-PI Ray, Ranita	Sociology					
	Co-PI Marti, Erica	Civil & Environmntl Eng & Const					
08/31/2018	Oh, Paul	Mechanical Engineering	INSPIRE: Mobile-Manipulating UAV's for Sensor Installation, Bridge Inspection and Maintenance (AS-1)	Missouri University of Science and Technology	40,556	3/1/2017	3/31/2019
08/22/2018	Marti, Erica	Civil & Environmntl Eng & Const	RII Track-4: Advanced Techniques for Assessing Toxicity and Chemical Uptake in Plants in Water Reuse Situations	National Science Foundation	189,945	10/1/2018	9/30/2020
07/16/2018	Breen, Erin	Transportation Research Center	Vulnerable Road Users Project	Nevada Office of Traffic Safety	141,000	7/1/2018	9/30/2019
11/06/2018	Kachroo, Pushkin	Transportation Research Center	Observational Seat Belt Usage Survey FY 19	Nevada Office of Traffic Safety	10,000	10/1/2018	9/30/2019
07/06/2018	Venkat, Rama	Dean, College of Engineering	UNLV-TBE Payload Development	Teledyne Brown Engineering, Inc-FPT	45,226	10/1/2016	9/30/2018
	Co-PI Nasoz, Fatma	Computer Science					
	Co-PI Bernacki, Matthew	Educ Psy & Higher Edu					
	Co-PI Watkins, Helga	Dean, College of Fine Arts					
01/24/2019	Oh, Paul	Mechanical Engineering	Leveraging Human Electrocardiogram Signals for UAV Security Enhancement	University of Nevada, Reno	5,000	10/1/2018	6/30/2019
12/19/2018	Oh, Paul	Mechanical Engineering	Leveraging Human Electrocardiogram Signals for UAV Security Enhancement - Match	Univ. of Nevada, Reno	5,000	10/1/2018	6/30/2019
01/14/2019	Kim, Kwang	Mechanical Engineering	Soft-Robots Housing Smart Preventive IR-Based Inspection System	Savannah River Nuclear Solutions, LLC - FPT	299,911	1/9/2019	1/31/2020
	Co-PI Moon, Jaeyun	Mechanical Engineering					
08/21/2018	Batista, Jacimaria	Civil & Environmntl Eng & Const	ZVI, Citric Acid and Chloroform: Additional Tasks added to the Bench-Scale Bioremediation Studies of UNIT4 Area, (NERT) Site, Nevada	Tetra Tech, Inc	178,432	8/1/2018	2/28/2019
07/18/2018	Paz-Cruz, Alexander	Transportation Research Center	Study of some Effects Associated with the Deployment of Autonomous and Connected Vehicles	City of Las Vegas	13,760	7/18/2018	5/31/2019
	Co-PI Morris, Brendan	Transportation Research Center					
	Co-PI Coughenour, Courtney	Environ & Occup Health					

08/31/2018	Kim, Si Jung	Dean, College of Engineering	Design, Evaluation and Implementation of an Augmented Laparoscopic Training Tool	LV Minimally Invasive Surgery & Women's Pelvic Health Center	15,636	5/1/2018	4/30/2019
07/25/2018	Batista, Jacimaria	Civil & Envirnmntl Eng & Const	Removal of Ammonia and Fluoride from Sulfidic Caustic Solution (SCS) from Oil Processing	Radian Chemicals	10,752	3/15/2015	2/28/2019
08/06/2018	Kim, Kwang	Mechanical Engineering	PIRE: Advanced Artificial Muscles for International and Globally Competitive Research and Education in Soft Robotics	National Science Foundation	800,424	10/1/2015	9/30/2020
	Co-PI Oh, Paul	Mechanical Engineering					
08/15/2018	Kim, Kwang	Mechanical Engineering	PIRE: Advanced Artificial Muscles for International and Globally Competitive Research and Education in Soft Robotics	National Science Foundation	594,933	10/1/2015	9/30/2020
	Co-PI Oh, Paul	Mechanical Engineering					
08/31/2018	Stefik, Andy	Computer Science	ECR DCL Level 2: Perceptual and Implementation Strategies for Knowledge Acquisition of Digital Tactile Graphics for Blind and Visually Impaired Students	National Science Foundation	34,528	1/15/2017	12/31/2019
02/12/2019	O'Toole, Brendan	Ctr for Materials & Structures	Composite Witness Panel Testing - Task 7	Lockheed Martin Corporation-FPT	31,680	12/10/2018	5/31/2019
10/29/2018	Venkat, Rama	Dean, College of Engineering	UNLV-TBE Payload Development	Teledyne Brown Engineering, Inc-FPT	8,529	10/1/2016	9/30/2018
	Co-PI Nasoz, Fatma	Computer Science					
	Co-PI Bernacki, Matthew	Educ Psy & Higher Edu					
	Co-PI Watkins, Helga	Dean, College of Fine Arts					
10/29/2018	Venkat, Rama	Dean, College of Engineering	UNLV-TBE Payload Development	Teledyne Brown Engineering, Inc-FPT	7,953	10/1/2016	3/31/2019
	Co-PI Nasoz, Fatma	Computer Science					
	Co-PI Bernacki, Matthew	Educ Psy & Higher Edu					
	Co-PI Watkins, Helga	Dean, College of Fine Arts					
09/18/2018	Morris, Brendan	Elec & Comp Engineering	Costumer Discovery for Demand-Responsive Transverse Rumble Strips	National Science Foundation	50,000	9/15/2018	2/28/2019
08/30/2018	Zhan, Justin (Zhijun)	Computer Science	CDnet: Community Detection in Large Networks	U.S. Army Research Office	70,000	9/10/2018	9/9/2019
10/10/2018	Moon, Jaeyun	Mechanical Engineering	Management of Organic and Inorganic Waste Streams at the Tesla Gigafactory - Task 5	Tesla Motors	61,765	9/17/2018	5/17/2019
09/14/2018	Baker, R. Jacob	Elec & Comp Engineering	Tiled Silicon-Photomultiplier Array Read-Out Integrated Circuit	Freedom Photonics LLC/FPT	29,999	7/27/2018	1/18/2019
09/12/2018	Wang, Zhiyong	Ctr for Materials & Structures	3D Printed Drill Plate Optimization - Task 6	Lockheed Martin Corporation-FPT	39,938	6/26/2017	6/30/2019
	Co-PI O'Toole, Brendan	Mechanical Engineering					
10/05/2018	Batista, Jacimaria	Civil & Envirnmntl Eng & Const	Preliminary Investigation of Factors Hindering Biodegradation in the Deeper Horizon of the Galleria Road Area (NERT) Site, Henderson	Tetra Tech, Inc	113,216	9/25/2018	6/30/2019
12/20/2018	Karakouzian, Moses	Civil & Envirnmntl Eng & Const	Design of Lateral Confluences of Flood Control Channels	Clark County Flood Control District	148,913	6/1/2017	12/31/2019
	Co-PI Hayes, Donald	Civil & Envirnmntl Eng & Const					
10/24/2018	Batista, Jacimaria	Civil & Envirnmntl Eng & Const	ZVI, Citric Acid and Chloroform: Additional Tasks added to the Bench-Scale Bioremediation Studies of UNIT4 Area, (NERT) Site, Nevada	Tetra Tech, Inc	9,000	8/1/2018	9/1/2019
12/19/2018	Moon, Jaeyun	Center for Energy Research	Research Infrastructure Development for Microstructure-Oriented Manufacturing of Thermoelectric Materials for Space Power Applications	University of Nevada, Reno	9,111	10/1/2018	6/30/2019
02/04/2019	Tian, Ying	Civil & Envirnmntl Eng & Const	REU: Time-Dependent Response of Reinforced Concrete Buildings Near Collapse	National Science Foundation	8,000	7/1/2018	6/30/2021

12/13/2018		Barzilov, Alexander	Mechanical Engineering	Multi-Model, Multi-Energy Approach for Neutron Interrogation of Spent Fuel - Task 34	Mission Support and Test Services, LLC	44,000	12/13/2018	9/30/2019
12/11/2018		Barzilov, Alexander	Mechanical Engineering	Nuclear Engineering Fellowship Program at UNLV	Nuclear Regulatory Commission	90,000	9/30/2015	9/29/2019
12/11/2018		Stefik, Andy	Computer Science	Research Supporting Multisensory Engagement by Blind, Visually Impaired, and Sighted Students to Advance Integrated Learning of Astronomy and Computer Science	Associated Universities, Inc	8,000	10/1/2016	8/31/2019
01/17/2019		Gerrity, Daniel	Civil & Environmntl Eng & Const	DPR-1: Quantitative Microbial Risk Assessment Implementation	Trussell Technologies, Inc	37,500	1/4/2019	11/1/2020
11/16/2018		Venkat, Rama	Dean, College of Engineering	UNLV- TBE Payload Development	Teledyne Brown Engineering, Inc-FPT	14,191	10/1/2016	3/31/2019
	Co-PI	Nasoz, Fatma	Computer Science					
	Co-PI	Bernacki, Matthew	Educ Psy & Higher Edu					
	Co-PI	Watkins, Helga	Dean, College of Fine Arts					
12/13/2018		Venkat, Rama	Dean, College of Engineering	UNLV- TBE Payload Development	Teledyne Brown Engineering, Inc-FPT	12,732	10/1/2016	3/31/2019
	Co-PI	Nasoz, Fatma	Computer Science					
	Co-PI	Bernacki, Matthew	Educ Psy & Higher Edu					
	Co-PI	Watkins, Helga	Dean, College of Fine Arts					
12/27/2018		Trabia, Mohamed	Mechanical Engineering	Development of Structural Metals with Superior Impact Resistance Using Laser Processing for Advanced NASA Applications	University of Nevada, Reno	10,136	10/1/2018	6/30/2019
	Co-PI	O'Toole, Brendan	Mechanical Engineering					
12/27/2018		Trabia, Mohamed	Mechanical Engineering	Development of Structural Metals with Superior Impact Resistance Using Laser Processing for Advanced NASA Applications	Univ. of Nevada, Reno	10,136	10/1/2018	6/30/2019
	Co-PI	O'Toole, Brendan	Mechanical Engineering					
12/20/2018		Moon, Jaeyun	Center for Energy Research	Research Infrastructure Development for Microstructure-Oriented Manufacturing of Thermoelectric Materials for Space Power Applications - Match	Univ. of Nevada, Reno	9,112	10/1/2018	6/30/2019
01/15/2019		Ahmad, Sajjad	Civil & Environmntl Eng & Const	Partner Center for Advanced Studies in Water (PCASW) at the University	University of Utah	70,001	8/16/2016	9/30/2019
01/22/2019		Sun, Ke-Xun	Elec & Comp Engineering	Neutron Radiation Hardness of GaN and Wide Bandgap Semiconductors - Task 35	Mission Support and Test Services, LLC	58,005	1/22/2019	5/18/2019
01/15/2019		James, David	Civil & Environmntl Eng & Const	Evaluation of Approaches to Determine Mixing and Assimilation of Reuse Effluent	U.S. Bureau of Reclamation	63,000	6/2/2017	9/30/2020
	Co-PI	Stephen, Haroon	Civil & Environmntl Eng & Const					
	Co-PI	Hayes, Donald	Civil & Environmntl Eng & Const					
	Co-PI	Gerrity, Daniel	Civil & Environmntl Eng & Const					
01/17/2019		Kim, Yoohwan	Computer Science	TCP-GEN Framework to Achieve High Performance for HAIPE-Encrypted Satellite Communication Systems	Intelligent Fusion Technology, Inc-FPT	20,000	12/21/2018	9/20/2019
	Co-PI	Jo, Ju-Yeon	Computer Science					
06/06/2019		Marti, Erica	Civil & Environmntl Eng & Const	Phosphorus Management in the Centrate Return Stream at Flamingo Water Resource Center	Clark County Water Reclamation District	49,988	6/4/2019	6/3/2020
	Co-PI	Batista, Jacimaria	Civil & Environmntl Eng & Const					
02/12/2019		Kachroo, Pushkin	Transportation Research Center	Observational Seat Belt Usage Survey FY 19	Nevada Office of Traffic Safety	10,000	10/1/2018	9/30/2019
02/20/2019		Morris, Brendan	Transportation Research Center	Study of Advanced Mobility and Traffic Safety Technologies using a Virtual Reality and Motion-based Driving Simulation Environment	FACE Foundation	5,000	9/1/2017	8/31/2019
	Co-PI	Copeland, David	Psychology					

02/20/2019		Sherman, Ryan	Civil & Envirnmntl Eng & Const	Galena Creek Bridge Health Monitoring Instrumentation	NV Department of Transportation	299,782	2/13/2019	3/31/2021
	Co-PI	Park, Jee Woong	Civil & Envirnmntl Eng & Const					
02/08/2019		Teng, Hualiang	Civil & Envirnmntl Eng & Const	Tier 1 University Transportation Center on Rail Infrastructure (RailTeam)	U.S. Department of Transportation	1,020,100	12/6/2016	9/30/2022
05/01/2019		Chen, Yitung	Center for Energy Research	The Investigation of High-Precision Full Implicit Two-Phase Flow Numerical Simulation Model	ADTECH Inc	180,648	4/1/2019	3/31/2020
03/14/2019		Muthukumar, Venkatesan	Elec & Comp Engineering	NASA Space Grant: PATHWAY TO NASA: Enabling Foundation for NASA's Earth and Space Science Missions - Match	NV System of Higher Education	25,000	1/1/2019	4/9/2020
	Co-PI	O'Toole, Brendan	Mechanical Engineering					
	Co-PI	Regentova, Emma	Elec & Comp Engineering					
05/20/2019		Morris, Brendan	Transportation Research Center	Center of Excellence for Accelerating Operational Efficiency (CAOE)/Passenger Arrival Estimation and Dynamic Resource Allocation for Security Checkpoints - An Educational Experience	Arizona State University	63,540	4/15/2019	6/30/2019
04/25/2019		Kachroo, Pushkin	Transportation Research Center	Observational Seat Belt Usage Survey FY 19	Nevada Office of Traffic Safety	73,138	10/1/2018	9/30/2019
04/18/2019		Jo, Ju-Yeon	Computer Science	GenCyber Summer Camp for High School Students in Southern Nevada/University of Las Vegas GenCyber Grant	National Security Agency	97,650	4/18/2019	4/17/2020
	Co-PI	Kim, Yoohwan	Computer Science					
04/12/2019		Oh, Paul	Mechanical Engineering	INSPIRE: Mobile-Manipulating UAV's for Sensor Installation, Bridge Inspection and Maintenance (AS-1)	Missouri University of Science and Technology	81,596	3/1/2017	12/31/2019
05/24/2019		Stefik, Andy	Computer Science	REU Supplement: ECR DCL Level 2: Perceptual and Implementation Strategies for Knowledge Acquisition of Digital Tactile Graphics for Blind and Visually Impaired Students	National Science Foundation	8,000	1/15/2017	12/31/2019
04/23/2019		Stefik, Andy	Computer Science	REU Supplement: Collaborative Research: AccessCS for All: Including Students with Disabilities in at High School Computer Science	National Science Foundation	16,000	9/1/2017	8/31/2020
06/07/2019		Zhao, Hui	Mechanical Engineering	Development of a Multi-Scale Mathematical Model for Chip-Based Chromatography	National Institutes of Health	71,805	8/10/2018	5/31/2020
06/05/2019		Sun, Ke-Xun	Elec & Comp Engineering	Neutron Radiation Hardness of GaN and Wide Bandgap Semiconductors - Task 35	Mission Support and Test Services, LLC	42,649	1/22/2019	9/30/2019
05/29/2019		Moon, Jaeyun	Mechanical Engineering	Assessment of Power Generation Performance on Flexible Thermoelectric Devices	Korea Institute of Energy Research	8,000	6/4/2019	10/4/2019
05/08/2019		Sun, Ke-Xun	Elec & Comp Engineering	Precision Time and Frequency Transfer Technique - Task 31	Mission Support and Test Services, LLC	15,000	1/1/2018	3/31/2019
05/03/2019		Venkat, Rama	Dean, College of Engineering	UNLV- TBE Payload Development	Teledyne Brown Engineering, Inc-FPT	76,727	10/1/2016	9/29/2019
	Co-PI	Nasoz, Fatma	Computer Science					
	Co-PI	Bernacki, Matthew	Educ Psy & Higher Edu					
	Co-PI	Watkins, Helga	Dean, College of Fine Arts					
05/14/2019		Kim, Si Jung	Dean, College of Engineering	A Survey and Analysis of Animatronics and a Creation of Movie Clip of Tele-Animatronics for Hotel Concierge Based on a Customer Behavior Model	Korea Institute of Industrial Technology	46,990	7/1/2017	12/31/2019
05/02/2019		Zhan, Justin (Zhijun)	Computer Science	Establishing a Reserve Education Assistance Program (REAP in Data Science and Engineering at University of Nevada, Las Vegas) Carrera and Paliskara	The Academy of Applied Science, Inc	1,000	1/1/2017	9/30/2019
05/02/2019		Jiang, Yingtao	Elec & Comp Engineering	Coordinating Curricula and User Preferences to Maximize the Participation of Women and Students of Color in Engineering	University of California, Santa Barbara	17,607	10/1/2018	9/30/2019

04/25/2019	Breen, Erin	Transportation Research Center	Vulnerable Road Users Project	Nevada Office of Traffic Safety	9,000	7/1/2018	6/30/2021
05/07/2019	Venkat, Rama	Dean, College of Engineering	UNLV- TBE Payload Development	Teledyne Brown Engineering, Inc-FPT	12,568	10/1/2016	3/31/2019
	Co-PI Nasoz, Fatma	Computer Science					
	Co-PI Bernacki, Matthew	Educ Psy & Higher Edu					
	Co-PI Watkins, Helga	Dean, College of Fine Arts					
05/07/2019	Venkat, Rama	Dean, College of Engineering	UNLV- TBE Payload Development	Teledyne Brown Engineering, Inc-FPT	6,824	10/1/2016	3/31/2019
	Co-PI Nasoz, Fatma	Computer Science					
	Co-PI Bernacki, Matthew	Educ Psy & Higher Edu					
	Co-PI Watkins, Helga	Dean, College of Fine Arts					
05/07/2019	Venkat, Rama	Dean, College of Engineering	UNLV- TBE Payload Development	Teledyne Brown Engineering, Inc-FPT	15,097	10/1/2016	3/31/2019
	Co-PI Nasoz, Fatma	Computer Science					
	Co-PI Bernacki, Matthew	Educ Psy & Higher Edu					
	Co-PI Watkins, Helga	Dean, College of Fine Arts					
05/07/2019	Venkat, Rama	Dean, College of Engineering	UNLV- TBE Payload Development	Teledyne Brown Engineering, Inc-FPT	12,598	10/1/2016	3/31/2019
	Co-PI Nasoz, Fatma	Computer Science					
	Co-PI Bernacki, Matthew	Educ Psy & Higher Edu					
	Co-PI Watkins, Helga	Dean, College of Fine Arts					
05/07/2019	Bansal, Shubhra	Mechanical Engineering	Metastability and Long-Term Degradation in CIGS Devices: Effect of Alkali Treatments, Back Contact and Emitter Layers	U.S. Department of Energy	278,256	4/1/2017	3/31/2020
EGR: 74				College Total	7,518,388		
05/06/2019	Reyes, Andrew T	School of Nursing	Promoting Resilience through Mindfulness Among College Student Veterans with Posttraumatic Stress Disorder	Sigma Theta Tau International Honor Society of Nursing	2,500	3/19/2019	3/20/2020
	Co-PI Muthukumar, Venkatesan	Elec & Comp Engineering					
	Co-PI Kearney, Christopher	Psychology					
06/28/2019	Ebersole, Jeffrey	School of Dental Medicine	Effect of Environmental Stressors on Oral Biofilm Growth, Disease Treatment and Enamel	Teledyne Brown Engineering, Inc-FPT	379,820	4/11/2019	11/11/2020
	Co-PI Zhao, Hui	Mechanical Engineering					
09/09/2018	Hardin, Andrew	Troesch Ctr Epren & Innovation	I-Corps Sites: Type II: UNLV Lean Entrepreneurship Advancement Program (LEAP)	National Science Foundation	2,500	1/1/2019	12/31/2019
	Co-PI O'Toole, Brendan	Mechanical Engineering					
	Co-PI Kachroo, Pushkin	Elec & Comp Engineering					
	Co-PI Martin, Leith	Troesch Ctr Epren & Innovation					
06/18/2019	Piotrowska-Jezierska, Joanna	Office of Vice Provost	FY 2019 National Summer Transportation Institute (NSTI)-FPT	NV Department of Transportation	50,000	6/18/2019	10/31/2019
	Co-PI Breen, Erin	Transportation Research Center					
06/18/2019	Piotrowska-Jezierska, Joanna	Office of Vice Provost	FY 2019 National Summer Transportation Institute (NSTI - State	Nevada Department of Transportation	5,000	6/18/2019	10/31/2019
	Co-PI Breen, Erin	Transportation Research Center					
05/31/2019	Yoo, Ji	Internal Medicine	Nevada Interprofessional Healthy Aging Network (NIHAN) Project	Health Resources & Services Admin.	749,987	7/1/2019	6/30/2020
	Co-PI Dounis, Georgia	School of Dental Medicine					
	Co-PI Barzilov, Alexander	Mechanical Engineering					
				Grand Total	8,708,195		