

FY 19-20 Awards	Awards							
Award Notice Received	PI Name	Dept	Project Title	Agency	Total	Start Date	End Date	
07/01/2019	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	36,756	6/1/2016	9/30/2019	
08/22/2019	Culbreth, William	Mechanical Engineering	NASA Space Grant: Hands-On Training on Rocket Design and CubeSat Design with SEDS (Students Exploration and Development of Space)	Nevada System of Higher Education	24,999	8/1/2019	4/9/2019	
08/26/2019	Kim, Kwang	Mechanical Engineering	Establishment of a Volumetric 3-Component Velocimetry System and Flow Channel	U.S. Army Research Office	292,932	9/1/2019	8/31/2020	
07/31/2019	Co-PI Zhao, Hui Zhao, Hui	Mechanical Engineering Mechanical Engineering	Bioinspired Nanomanufacturing of Graphene-embedded Superhydrophobic Surfaces with Mechanical and Chemical Robustness	National Science Foundation	394,688	9/1/2019	8/31/2022	
08/28/2019	Co-PI Zhai, Shengjie Culbreth, William	Mechanical Engineering Mechanical Engineering	Nuclear Engineering Doctoral Fellowship Program at UNLV	Nuclear Regulatory Commission	399,690	8/30/2019	8/29/2023	
07/12/2019	Co-PI Barzilov, Alexander Baker, R. Jacob	Mechanical Engineering Elec & Comp Engineering	Dual-Mode, Extended Near-Infrared, Focal Plane Arrays Fabricated with a CMOS Compatible GeSiSN Alloy Material	Freedom Photonics LLC/FPT	149,998	7/9/2019	7/8/2021	
07/24/2019	Stephen, Haroon Co-PI Sherman, Ryan Co-PI Rincon, Blanca Co-PI Park, Jee Woong Co-PI Marti, Erica Co-PI Khan, Eakalak Co-PI Asadollahipajouh, Mojdeh	Civil & Envirnmntl Eng & Const Civil & Envirnmntl Eng & Const Educ Psy & Higher Edu Civil & Envirnmntl Eng & Const Civil & Envirnmntl Eng & Const Civil & Envirnmntl Eng & Const Civil & Envirnmntl Eng & Const	Enhancing Critical Transitions in Civil Engineering Degree Education	National Science Foundation	2,483,977	10/1/2019	9/30/2024	
09/20/2019	Kachroo, Pushkin	Transportation Research Center	Observational Seat Belt Usage Survey FY 20	Nevada Office of Traffic Safety	23,881	10/1/2019	9/30/2020	
07/29/2019	Oh, Paul Co-PI Choi, Jin Ouk	Mechanical Engineering Civil & Envirnmntl Eng & Const	Robotic in Construction - Task 6	Tesla Motors	132,377	7/22/2019	12/31/2019	
09/13/2019	Khan, Eakalak	Civil & Envirnmntl Eng & Const	Designing Ionic Liquids Based Adsorbent for Treating Dimethylsilanedoil Contaminated Water in International Space Station	National Aeronautics and Space Administration	98,438	9/10/2019	9/9/2020	
07/26/2019	Kim, Kwang Co-PI Oh, Paul	Mechanical Engineering Mechanical Engineering	PIRE: Advanced Artificial Muscles for International and Globally Competitive Research and Education in Soft Robotics	National Science Foundation	198,928	10/1/2015	9/30/2020	
08/22/2019	O'Toole, Brendan	Ctr for Materials & Structures	Robotics Academy of Nevada and High School Team Mentoring	Nevada Department of Education	225,000	3/1/2019	8/31/2020	
08/29/2019	James, David Co-PI Stephen, Haroon Co-PI Hayes, Donald Co-PI Gerrity, Daniel	Civil & Envirnmntl Eng & Const Civil & Envirnmntl Eng & Const Civil & Envirnmntl Eng & Const Civil & Envirnmntl Eng & Const	Evaluation of Approaches to Determine Mixing and Assimilation of Reuse Effluent	U.S. Bureau of Reclamation	20,000	6/2/2017	9/30/2020	
08/29/2019	Baker, R. Jacob	Elec & Comp Engineering	Improved Quantum Efficiency Photo-Detector	Freedom Photonics LLC/FPT	29,999	5/14/2019	11/13/2019	
08/22/2019	Boehm, Robert	Center for Energy Research	Regional Test Center Phase III	Sandia National Laboratories	78,026	3/14/2016	9/30/2019	
08/13/2019	Breen, Erin	Transportation Research Center	Vulnerable Road Users Project	Nevada Office of Traffic Safety	150,000	7/1/2018	6/30/2021	
08/29/2019	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	11,660	10/1/2018	9/30/2020	
09/12/2019	Baker, R. Jacob	Elec & Comp Engineering	Tiled Silicon-Photomultiplier Array Read-Out Integrated Circuit	Freedom Photonics LLC/FPT	225,238	8/8/2019	8/7/2021	
09/23/2019	Barzilov, Alexander	Mechanical Engineering	Nuclear Engineering Fellowship Program at UNLV	Nuclear Regulatory Commission	70,000	9/30/2015	9/29/2020	
09/23/2019	Batista, Jacimaria	Civil & Envirnmntl Eng & Const	Pre-Treatment Investigation for Chemtreat Rinse Water, Nederland, Texas - Extension to Removal of Ammonia and Fluoride from Sulfidic Caustic Solution (SCS) from Oil Processing	Radian Chemicals	11,500	3/15/2015	12/31/2019	
08/23/2019	Batista, Jacimaria	Civil & Envirnmntl Eng & Const	Extension of Bench-Scale Testing for Unit 4 Source Area Bioremediation Treatability Study: Column Studies with Molasses as Electron Donor; and Investigation of Precipitates	Tetra Tech, Inc	178,691	8/15/2019	1/31/2020	
09/05/2019	Choi, Jin Ouk	Civil & Envirnmntl Eng & Const	CAREER: Integrated Research and Education for Professional Identity Development in Under Graduate Architecture, Engineering and Construction (AEC) Women	North Dakota State University-FPT	18,300	5/1/2019	4/30/2023	
EGR	22				Total 5,255,078			
10/22/2019	Ahmad, Sajjad	Civil & Envirnmntl Eng & Const	Climate Change Impact Assessment on Storm-Water Infrastructure within Las Vegas Valley	Southern Illinois University, Carbondale	2,990	10/1/2017	12/31/2019	
10/09/2019	O'Toole, Brendan	Ctr for Materials & Structures	Studying Manufacturability of Markforged Metal X 3D Printer	Universal Technology Company, LLC-FPT	10,000	8/20/2019	6/30/2020	
11/21/2019	Teng, Hualiang	Civil & Envirnmntl Eng & Const	Tier 1 University Transportation Center on Rail Infrastructure (RailTeam)	U.S. Department of Transportation	1,420,000	12/6/2016	9/30/2022	

11/11/2019	Choi, Jin Ouk	Civil & Envirnmntl Eng & Const	Achieving Higher Levels of Standardized Facility Design in the Upstream, Midstream and Mining (UMM) Commodity Market (Phase 2)	University of Texas, Austin	78,990	5/1/2017	9/30/2020
11/01/2019	Venkat, Rama	Dean, College of Engineering	UNLV- TBE Payload Development	Teledyne Brown Engineering, Inc-FPT	38,855	10/1/2016	9/30/2020
10/04/2019	Co-PI Nasoz, Fatma Co-PI Bernacki, Matthew Co-PI Watkins, Helga Venkat, Rama	Computer Science Educ Psy & Higher Edu Dean, College of Fine Arts Dean, College of Engineering	UNLV- TBE Payload Development	Teledyne Brown Engineering, Inc-FPT	26,855	10/1/2016	9/30/2020
10/04/2019	Co-PI Nasoz, Fatma Co-PI Bernacki, Matthew Co-PI Watkins, Helga Kim, Si Jung	Computer Science Educ Psy & Higher Edu Dean, College of Fine Arts Dean, College of Engineering	Design and Development of Autonomous Indoor Flight Control for the ADR 2019	Ajou University Industry-Academic Cooperation Foundation	20,474	7/1/2019	12/31/2019
11/22/2019	Kim, Si Jung	Dean, College of Engineering	Investigation of Show Production Procedures and Characteristics	Korea Institute of Industrial Technology	56,841	6/1/2019	12/31/2019
EGR	8				Total 1,655,005		
02/21/2020	Yang, Mei	Elec & Comp Engineering	Engaging Secondary Female Students in Ubiquitous Intelligence and Computing through Constructive Learning Environment	National Science Foundation	399,999	4/1/2020	3/31/2023
03/05/2020	Co-PI Muthukumar, Venkatesan Co-PI Zhang, Shaoan Morris, Brendan	Elec & Comp Engineering Teaching & Learning Transportation Research Center	REU Site: Smart Cities - Intelligent, Safe and Secure Mobility	National Science Foundation	404,998	6/1/2020	5/31/2023
03/25/2020	Co-PI Harris, Sarah Khan, Eakalak	Elec & Comp Engineering Civil & Envirnmntl Eng & Const	Collaborative Research: IRES Track 1: International Research Experience for Students in Big Data Applications in Energy and Related Infrastructure	National Science Foundation	131,332	4/1/2020	3/31/2023
01/10/2020	Moon, Jaeyun	Mechanical Engineering	Green and Cost-Effective Remediation of Organic Contaminants in Subsurface Environments: Production and Modification of Biochar from Local Feedstocks	Savannah River Nuclear Solutions, LLC - FPT	222,275	1/1/2020	1/31/2021
03/30/2020	Co-PI Marti, Erica Jo, Ju-Yeon	Civil & Envirnmntl Eng & Const Computer Science	GenCyber Summer Camp at University of Nevada, Las Vegas	National Security Agency	99,995	4/1/2020	3/31/2022
02/12/2020	Co-PI Kim, Yoohwan Kang, Mingon	Computer Science Computer Science	Research on ICT Core Technologies and Cultivation of Innovative Talents to Lead Next-Generation Smart Healthcare	Hanyang University-ERICA Campus	35,806	7/1/2019	12/31/2020
03/18/2020	Oh, Paul	Mechanical Engineering	Integration of Autonomous Robotics for Plant-Based Systems in Deep Space	Lockheed Martin Corporation-FPT	30,188	3/4/2020	9/30/2020
02/19/2020	Venkat, Rama	Dean, College of Engineering	UNLV- TBE Payload Development	Teledyne Brown Engineering, Inc-FPT	24,306	10/1/2016	9/30/2020
01/22/2020	Co-PI Nasoz, Fatma Co-PI Bernacki, Matthew Co-PI Watkins, Helga Batista, Jacimaria	Computer Science Educ Psy & Higher Edu Dean, College of Fine Arts Civil & Envirnmntl Eng & Const	Chloroform Degradation and its Daughters - Extra Task to Extension of Bench-Scale Testing for Unit 4 Source Area Bioremediation Treatability Study: Column Studies with Molasses as Electron Donor; and	Tetra Tech, Inc	12,259	11/1/2019	6/30/2020
02/06/2020	Barzilov, Alexander	Mechanical Engineering	Multi-Modal, Multi-Energy Approach for Neutron Interrogation of Spent Fuel - Task 40	Mission Support and Test Services, LLC	44,000	2/6/2020	9/30/2020
02/12/2020	Chen, Yitung	Center for Energy Research	The Investigation of High-Precision Full Implicit Two-Phase Flow Numerical Simulation Model	ADTECH Inc	7,400	4/1/2019	3/31/2020
03/19/2020	Kim, Si Jung	Dean, College of Engineering	Design and Development of Autonomous Indoor Flight Control for the ADR 2019	Ajou University Industry-Academic Cooperation Foundation	20,474	7/1/2019	6/30/2020
01/01/2020	Jiang, Yingtao	Elec & Comp Engineering	Development of UAV-based Rail Track Defect Detection System Using Deep Learning Technology	Transportation Technology Center, Inc	20,000	12/3/2019	12/20/2019
02/21/2020	Co-PI Teng, Hualiang Co-PI Zhu, Ming Oh, Paul	Civil & Envirnmntl Eng & Const Elec & Comp Engineering Mechanical Engineering	Robotics in Construction Phase 2 - Task 7	Tesla Motors	197,455	1/13/2020	12/31/2020
02/18/2020	Venkat, Rama	Dean, College of Engineering	UNLV- TBE Payload Development	Teledyne Brown Engineering, Inc-FPT	14,584	10/1/2016	9/30/2020
	Co-PI Nasoz, Fatma Co-PI Bernacki, Matthew	Computer Science Educ Psy & Higher Edu					

03/28/2020	Co-PI Watkins, Helga Venkat, Rama	Dean, College of Fine Arts Dean, College of Engineering	UNLV- TBE Payload Development	Teledyne Brown Engineering, Inc-FPT	42,140	10/1/2016	9/30/2020
EGR	Co-PI Nasoz, Fatma Co-PI Bernacki, Matthew Co-PI Watkins, Helga 16	Computer Science Educ Psy & Higher Edu Dean, College of Fine Arts			Total 1,707,211		
05/01/2020	Morris, Melissa	Mechanical Engineering	Statler Increasing Access and Diversity in Engineering Program (ADE)	West Virginia University Research Corporation	27,458	10/1/2019	9/30/2021
04/26/2020	Oh, Paul	Mechanical Engineering	INSPIRE: Augmenting Bridge Inspection with Augmented Reality and Haptics-based Aerial Manipulation - Additional Project to subaward Mobile-Manipulating UAV's for Sensor Installation, Bridge Inspection	Missouri University of Science and Technology	81,696	1/1/2020	12/31/2020
04/06/2020	Chmaj, Grzegorz	Elec & Comp Engineering	2019 NSW 22 Combat Swimmer Data Recorder	Stevens Institute of Technology-FPT	5,000	9/1/2019	5/31/2020
05/06/2020	Morris, Brendan	Transportation Research Center	Center of Excellence for Accelerating Operational Efficiency (CAOE)/Improving the Operational Efficiency of Airport Security Screening Checkpoints – An Educational Experience	Arizona State University	75,618	4/15/2019	9/30/2020
05/13/2020	Sun, Ke-Xun	Elec & Comp Engineering	Photoelectron Measurement and Pulsed Laser Deposition for GaN Photocathode	Kyma Technologies Inc	60,623	5/18/2020	11/17/2020
06/15/2020	Schill, Robert	Ctr Eng Matrls Tech (EMITION)	DPF Sensor Placement - Task 39	Mission Support and Test Services, LLC	74,996	12/1/2019	12/31/2020
05/08/2020	Kachroo, Pushkin	Transportation Research Center	Observational Seat Belt Usage Survey FY 20	Nevada Office of Traffic Safety	37,989	10/1/2019	9/30/2020
05/05/2020	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	21,766	4/1/2017	9/30/2020
05/06/2020	Marti, Erica	Civil & Envirnmntl Eng & Const	Tech Trekker: Increasing K-12 Access to Technology in Southern Nevada	Desert Research Inst	27,873	5/6/2020	6/30/2020
04/23/2020	Saberinia, Ebrahim	Elec & Comp Engineering	Cognitive Software Defined Radio (SDR) Systems - Task 41	Mission Support and Test Services, LLC	30,000	4/23/2020	9/30/2020
04/27/2020	Boehm, Robert	Center for Energy Research	Technical Support and Maintenance of the NV Regional Test Center for Solar Technologies	Sandia National Laboratories	140,000	4/27/2020	9/30/2020
05/11/2020	O'Toole, Brendan	Ctr for Materials & Structures	Flyer Plate and Compression Testing of 17-4 PH Stainless Steel Fabricated using the MarkForged Metal X Additive Manufacturing System - Task 42	Mission Support and Test Services, LLC	4,993	5/11/2020	9/30/2020
05/29/2020	Venkat, Rama	Dean, College of Engineering	UNLV- TBE Payload Development	Teledyne Brown Engineering, Inc-FPT	47,848	8/3/2015	9/30/2020
06/25/2020	Co-PI Nasoz, Fatma Co-PI Watkins, Helga Muthukumar, Venkatesan	Computer Science Dean, College of Fine Arts 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	1/1/2018	4/9/2021
EGR	Co-PI O'Toole, Brendan Co-PI Regentova, Emma 14	Mechanical Engineering Elec & Comp Engineering			Total 660,860		
Total Awards	60			Grand Total	9,278,154		