

4/15/2015	Proposals						
Submit Date	PI Name	Dept	Project Title	Agency	Total	Proposed Start Date	Proposed End Date
1/9/2015	Hartmann, Thomas	Mechanical Engineering	Idaho National Laboratory Joint Appointment Agreement	Battelle Energy Alliance, LLC	65,197	8/22/2008	9/30/2015
1/9/2015	Kim, Si Jung	Dean, College of Engineering	NUE: Collaborative Networked Virtual Experiences for Nanotechnology Education	University of Central Florida	25,000	12/1/2014	11/30/2015
1/6/2015	Zhao, Hui	Mechanical Engineering	Super-Hydrophobic Surface Enabled Microfluidic Energy Conversion	National Science Foundation	276,674	9/1/2015	8/31/2018
1/5/2015	Zhao, Hui	Mechanical Engineering	Beyond the Poisson-Nernst-Planck Model: The Impacts of Ion Specificity and Electrostatic Correlations on Biological Systems	National Institutes of Health	435,561	8/1/2015	7/31/2018
1/7/2015	Trabia, Mohamed	Mechanical Engineering	IDeA CTR-IN Mini Grant: Identification of Plantar Tissue Stiffness During Gait	Univer of Nevada, Las Vegas	11,000	3/11/2015	6/30/2015
	Dufek, Janet	Co-PI	Kinesiology and Nutrition Sci				
1/5/2015	Lipinska-Kalita, Kristina	Mechanical Engineering	Raman Spectroscopy of Nanostructured Semiconductors	KLA-Tencor Corporation	50,000	10/20/2014	10/19/2015
1/5/2015	Jiang, Yingtao	Elec & Comp Engineering	A New Bandwidth-Power Efficient Multiplexing Scheme Based on Orthogonal Digital Pulse Shaping	National Science Foundation	444,945	6/1/2015	5/31/2018
1/20/2015	Jo, Ju-Yeon	Computer Science	NASA Space Grant: Developing Secure Communication Method for Small UAS Traffic Management (sUTM) System	Nevada System of Higher Education	36,507	1/1/2015	3/1/2016
	Kim, Yoohwan	Co-PI	Computer Science				
1/20/2015	Jo, Ju-Yeon	Computer Science	NASA Space Grant: Developing Secure Communication Method for Small UAS Traffic Management (sUTM) System - Match	NV System of Higher Education	26,898	1/1/2015	3/1/2016
	Kim, Yoohwan	Co-PI	Computer Science				
1/14/2015	Lipinska-Kalita, Kristina	Mechanical Engineering	Fundamental Studies of Heavy Metal Oxide Glasses for High Power Lasers: Microstructural Aspects of Er Clustering and Photodarkening	U.S. Army Research Office	599,706	7/1/2015	6/30/2018
1/14/2015	Larmore, Lawrence	Ctr for Math, Sci & Eng Edu	AF: Breaking Through Old Barriers for Server Problems	National Science Foundation	499,242	9/1/2015	8/30/2018
	Bein, Wolfgang	Co-PI	Computer Science				
2/6/2015	Breen, Erin	Transportation Research Center	Older Driver Education, Evaluation and Outreach	Nevada Office of Traffic Safety	25,873	1/28/2015	9/30/2015
2/5/2015	Boehm, Robert	Center for Energy Research	Solar Desalination for Clean Water in Remote Villages and Disaster Areas	HITEK Services	63,561	8/1/2015	4/30/2016
2/3/2015	Boehm, Robert	Center for Energy Research	The Solar Energy-Water-Environment Nexus in Nevada - Task 2 - Nexus Research	EPSCoR/National Science Foundation	141,480	6/1/2013	5/31/2015
	Batista, Jacimaria	Co-PI	Civil & Envirnmntl Eng & Const				
2/2/2015	Baker, R. Jacob	Elec & Comp Engineering	Silicon Photomultipliers (SiPM) for Nuclear Detectors	Freedom Photonics LLC/FPT	65,000	7/29/2015	4/28/2016
1/22/2015	O'Toole, Brendan	Ctr for Materials & Structures	Nondestructive Evaluation Techniques for Composite Materials with Low Density Gradients	Metna Co	20,444	12/1/2014	8/31/2015
	Trabia, Mohamed	Co-PI	Mechanical Engineering				
1/15/2015	Kim, Yoohwan	Computer Science	Incapacitating Hostile UASs in Close Range Using Active RF Interface	U.S. Army Research Office	598,812	7/1/2015	6/30/2018
	Jo, Ju-Yeon	Co-PI	Computer Science				
1/27/2015	Baker, R. Jacob	Elec & Comp Engineering	Quantum Cryptography Single Photon Detector Chip	Freedom Photonics LLC/FPT	45,000	3/1/2015	10/31/2015
1/27/2015	Baker, R. Jacob	Elec & Comp Engineering	Highly Pixelated Geiger-Mode Silicon Avalanche Photodiode Arrays	Freedom Photonics LLC/FPT	50,000	1/1/2015	9/1/2015
1/29/2015	Zhao, Hui	Mechanical Engineering	Flow Effects in Dielectrophoresis-Directed Assembly of Colloidal Particles	National Science Foundation	262,064	8/1/2015	7/31/2018
3/23/2015	Baker, R. Jacob	Elec & Comp Engineering	Low Level Visible-Light Photo Detectors for Laser Range Finding	Freedom Photonics LLC/FPT	47,000	6/18/2015	12/31/2015
3/11/2015	Moon, Jaeyun	Mechanical Engineering	Advanced Manufactured Power Generation and Sensors	U.S. Department of Energy	249,849	1/1/2016	12/31/2018
	Kim, Kwang	Co-PI	Mechanical Engineering				
3/12/2015	Boehm, Robert	Center for Energy Research	Field Failure/Degradation Prediction Correlation with Accelerated Lifetime Tests and Models	U.S. Department of Energy	1,482,179	9/1/2015	11/30/2018
	Bansal, Shubhra	Co-PI	Mechanical Engineering				
3/24/2015	Boehm, Robert	Center for Energy Research	The American Jobs Project	Univ. of California, Berkeley	20,000	4/1/2015	10/31/2015
3/10/2015	Chen, Yitung	Center for Energy Research	Thermal Dynamics and Neutronics Modeling Simulations on RTMSR Reactor Design - Phase I	Utah Green Energy Technologies, LLC	70,000	3/1/2015	8/31/2015
3/4/2015	Stefik, Andy	Computer Science	Lego Robotics for the Blind and Visually Impaired	Pacific Foundation for Blind Children	5,400	3/25/2015	9/1/2015
3/24/2015	Culbreth, William	Mechanical Engineering	DT Systems Upgrade Support - Task	National Security Technologies	168,091	10/1/2014	9/30/2015
	O'Brien, Robert	Co-PI	Mechanical Engineering				
3/26/2015	Bein, Wolfgang	Ctr for Info Tech & Algorithms	CyberSEES: Type 2: Collaborative Research: Dependable Infrastructure for Renewable Energy Management	National Science Foundation	907,000	10/1/2015	9/30/2019
	Baghzouz, Yahia	Co-PI	Elec & Comp Engineering				
3/27/2015	Teng, Hualiang	Civil & Envirnmntl Eng & Const	Testing Radar Speed Signs on Rural Highways and Freeways in Nevada	Nevada Office of Traffic Safety	119,951	10/1/2015	9/30/2016
3/5/2015	Oh, Paul	Mechanical Engineering	Low-Cost Multiple Unmanned Aircraft System for Remote Contour Mapping of a Nuclear Radiation Field - Task 9	National Security Technologies	47,892	3/5/2015	9/30/2015

3/10/2015	Stefik, Andy	Ctr for Math, Sci & Eng Edu	REU Supplement: Collaborative Research: CS 10K: AccessCS 10K: Including Students with Disabilities in Computing Education for the Twenty-First Century	National Science Foundation	16,000	9/1/2014	8/31/2017
3/10/2015	Batista, Jacimaria	Civil & Envirnmntl Eng & Const	Removal of Ammonia and Fluoride from Sulfidic Caustic Solution (SCS) from Oil Processing	Radian Chemicals	26,701	3/15/2015	6/15/2015
3/6/2015	Boehm, Robert	Center for Energy Research	The Solar Energy-Water-Environment Nexus in Nevada - State Match	NV System of Higher Education	5,869	8/1/2014	6/30/2015
	Batista, Jacimaria	Co-PI	Civil & Envirnmntl Eng & Const				
3/4/2015	Breen, Erin	Transportation Research Center	Vulnerable Road Users Project/Pedestrian Safety Education/Outreach	Nevada Office of Traffic Safety	60,000	10/1/2014	9/30/2015
2/24/2015	Baker, R. Jacob	Elec & Comp Engineering	ASIC Integrated Circuit Collaboration - Task 6	National Security Technologies	52,000	12/16/2014	10/30/2015
2/13/2015	Baker, R. Jacob	Elec & Comp Engineering	Advanced Printed Circuit Board Design Methods for Compact Optical Transceiver	Attollo Engineering, LLC	45,000	6/1/2015	12/1/2015
2/17/2015	Kim, Kwang	Mechanical Engineering	Collaborative Research: Advanced Three-Dimensional Additive Manufacturing of Electroactive Polymers with Applications in Soft Active Structures and Robotic Devices	National Science Foundation	124,474	9/1/2015	8/31/2016
2/11/2015	Boehm, Robert	Center for Energy Research	Phase Change Material (PCM) to Reduce Primary Energy Consumption of Heating, Ventilation and Air Conditioning Systems in Commercial Buildings	U.S. Department of Energy	221,965	8/1/2015	7/31/2017
2/17/2015	Barzilov, Alexander	Mechanical Engineering	Portable Wireless Detector for Gamma Rays and Neutrons	Adelphi Technology Inc	50,000	6/15/2015	3/15/2016
2/18/2015	Reynolds, Douglas	Ctr for Mech & Env Sys Tech	Vast Lab Testing Services - Emerachem, LLC	Various	1,500	7/17/2014	8/5/2016
3/9/2015	Kim, Si Jung	Dean, College of Engineering	The Design and Development of a 3D Measurement System	University of Central Florida Research Foundation, Inc	64,031	9/1/2014	5/31/2015
3/26/2015	Sun, Ke-Xun	Elec & Comp Engineering	Center of Excellence for Security Science and Engineering - Task 55	National Security Technologies	15,327	10/1/2013	9/30/2014
EGR	42			Total	7,543,193		