8/4/2011	***Proposals***						
Submit Date	***PI Name***	***Dept***	***Project Title***	***Agency***	***Total***	***Proposed Start Date***	***Proposed End Date***
7/29/2010	Lowe, Daniel	Mechanical Engineering	Engineering Support of Electromagnetic Pulser - Task 9	National Security Technologies	25,934	9/1/2010	10/31/2010
	O'Brien, Robert	Co-PI					
8/6/2010	Pepper, Darrell	NV Ctr for Adv Comp Methods	NASA Space Grant Consortium-Scholarships & Fellowships-Engineering	Nevada System of Higher Education	15,000	8/1/2009	12/31/2010
9/2/2010	Chen, Yitung	Mechanical Engineering	Advance Heat Exchanger Design for Cryogenic Applications	Kevin Kennedy Associates, Inc	19,154	5/15/2010	2/28/2011
9/7/2010	O'Brien, Robert	Mechanical Engineering	Nanostructured Lanthanum Halides and CeBr3 for Nuclear Radiation Detection - Task 10	National Security Technologies	23,040	9/1/2010	9/23/2010
	Lowe, Daniel	Co-PI					
8/25/2010	Yang, Mei	Elec & Comp Engineering	REU Site: Emerging Cyberinfrastructure Technologies and Applications Towards E-Science	National Science Foundation	221,345	2/1/2011	1/31/2014
	Jiang, Yingtao	Co-PI					
7/20/2010	Paz-Cruz, Alexander	Civil & Env Engineering	CAREER: Interactive Generation of Anticipatory and Behavior-Consistent Traffic Guidance Strategies	National Science Foundation	428,211	6/1/2011	5/31/2016
8/21/2010	Chen, Yitung	Center for Energy Research	Efficient Thermal Management and Temperature Amplification for Lunar Based Systems	National Aeronautics and Space Administration	146,828	10/1/2010	9/30/2012
9/27/2010	Ahmad, Sajjad	Civil & Env Engineering	Colorado River Flow Estimation	Arizona State University	756	9/8/2010	9/7/2011
9/27/2010	Said, Aly	Civil & Env Engineering	A Study on Recycling Waste Latex Paint in Concrete	Arizona State University	756	9/8/2010	9/7/2011
9/12/2010	Yim, Woosoon	Mechanical Engineering	Development of Ultrafiltration Membrane-Separation Technology for Energy-Efficient Water Treatment and Desalination Process	U.S. Department of Energy	25,000	9/15/2010	9/14/2015
9/24/2010	Schill, Robert	Elec & Comp Engineering	Basic Research on Plasma Cathode for HPM Sources	Air Force Office of Scientific Research	59,999	5/1/2008	8/31/2011
7/21/2010	Said, Aly	Civil & Env Engineering	CAREER: Durability of Concrete Incorporating Supplementary Cementitious Materials and Nano-Silica Under Combined Environmental and Structural Loading	National Science Foundation	460,982	12/31/2010	12/30/2015
10/1/2010	Trabia, Mohamed	Mechanical Engineering	Collaborative Research: Sensorized E-Braille System: From Fingertip Bioimpedance Sensing to Tactile Preference Rendering	National Science Foundation	138,634	1/15/2011	1/14/2014
9/21/2010	Zhao, Hui	Mechanical Engineering	Collaborative Research: Flow Effects in Dielectrophoresis-Directed Assembly of Collodial Particles	National Science Foundation	162,288	5/1/2011	4/30/2014
9/24/2010	Paz-Cruz, Alexander	Civil & Env Engineering	Calibration on CORISM Model Under Saturated Traffic Flow Conditions - UTC	Nevada Department of Transportation	115,135	10/1/2010	9/30/2012
	Kachroo, Pushkin	Co-PI					
9/21/2010	Zhao, Hui	Mechanical Engineering	Microfludic and Nanofludic Energy Conversion Using Super-Hydrophobic Surfaces	National Science Foundation	183,888	5/1/2011	4/30/2014
10/1/2010	Kachroo, Pushkin	Elec & Comp Engineering	Collaborative Research: Mathematical Representation of Driver Behavior for Evaluating Impacts of Roadway Transportation Systems	National Science Foundation	185,125	4/1/2011	3/31/2014
10/1/2010	Tian, Ying	Civil & Env Engineering	Collaborative Research: Dynamic Disproportionate Collapse in Flat-Plate Buildings	National Science Foundation	159,986	6/1/2011	5/31/2014
	Said, Aly	Co-PI					
10/6/2010	Batista, Jacimaria	Civil & Env Engineering	Pilot Testing of a Pressed-Bed Reactor for Municipal Solid Waste (MSW) Gasification	Power Waste Gasification LLC	111,842	11/1/2010	1/31/2011
	Steinberg, Spencer	Co-PI					
10/27/2010	O'Brien, Robert	Mechanical Engineering	Simulation of Dense Plasma Focus Applications - Task 12	National Security Technologies	15,000	11/3/2010	1/31/2011
	Lowe,Daniel	Co-PI					
10/7/2010	Yang, Mei	Elec & Comp Engineering	Scalable and High-Performance Photonic-Electronic Network-On-Chips	National Science Foundation	355,031	5/1/2011	4/30/2014
	Jiang,Yingtao	Co-PI					
11/8/2010	O'Brien, Robert	Mechanical Engineering	Neutron Ion Chamber Modeling Task 13	National Security Technologies	46,999	11/18/2010	3/31/2011
	Lowe,Daniel	Co-PI					
9/28/2010	Trabia, Mohamed	Mechanical Engineering	Collaborative Research: Center for Sustainable Engineering Curricula	National Science Foundation	1,839,839	3/1/2011	2/28/2016
	Kachroo, Pushkin	Co-PI					
	O'Toole, Brendan	Co-PI					
	Schraw, Gregory	Co-PI					
	Costa, David	Co-PI					
11/15/2010	Batista, Jacimaria	Civil & Env Engineering	Estrogen in Wastewater Biosolids	Arizona State University	756	2/14/2011	10/31/2011
11/16/2010	Lee, Joon	Mechanical Engineering	Nevada Renewable Energy Consortium: Task 2.2 Enabling Technology for Solar Energy Development in Nevada	Desert Research Institute	55,688	10/1/2010	12/31/2011
9/13/2010	Shields, David	Dean, College of Engineering	Work Station Computers, Construction Management, Laboratory, UNLV	Nevada Commission on Construction Education	49,080	10/15/2010	6/30/2011
7/1/2010	Paz-Cruz, Alexander	Civil & Env Engineering	Safety and Design Guidelines for Marked and Unmarked Pedestrian Crosswalks at Unsignalized and Midblock Crossing Locations	University of Nevada, Reno	29,999	7/1/2010	6/30/2012
7/1/2010	Teng, Hualiang	Civil & Env Engineering	Safety and Design Guidelines for Marked and Unmarked Pedestrian Crosswalks at Unsignalized and Midblock Crossing Locations	University of Nevada, Reno	30,000	7/1/2010	6/30/2012
9/1/2010	Venkat, Rama	Elec & Comp Engineering	In-situ Monitoring Based Modeling HVPE of Nitrides-Phase 3B	Kyma Technologies Inc	41,000	9/1/2010	11/30/2011
11/15/2010	Latifi, Sharam	Elec & Comp Engineering	NSF EPSCOR RII UNLV Task 6 (Cyber)	EPSCoR/National Science Foundation	17,953	9/1/2008	8/31/2011
11/10/2010	Wang, Zhiyong	Mechanical Engineering	NCIIA Student Ambassador Grant - Juan Carlos Pascua	National Collegiate Inventors and Innovators Alliance	6,000	9/1/2010	6/30/2011
11/5/2010	Baghzouz, Yahia	Elec & Comp Engineering	Recovery Act: A Nationwide Consortium of Universities to Revitalize Electric Power Engineering Education by State-of-the-Art Laboratories - ARRA	University of Minnesota-FPT	8,333	7/30/2010	7/29/2011

11/30/2010	Wang, Zhiyong	Mechanical Engineering	Commercialization Program for Engineering Senior Design Projects	National Collegiate Inventors and Innovators Alliance	48,300	9/1/2011	5/30/2014
10/1/2010	Said, Aly	Civil & Env Engineering	Sulfate Resistance of Concrete Incorporating Latent Hydraulic or Pozzolanic Binders and Containing Nano-Silica	National Science Foundation	256,169	6/1/2011	5/31/2014
	Tian,Ying	Co-PI					
11/12/2010	Taghva, Kazem	School of Computer Science	Event Discovery in Image Sequences Using Hidden Markov Models	National Nuclear Security Administration	740,350	4/1/2011	3/31/2014
	Regentova, Emma	Co-PI					
11/13/2010	Latifi, Sharam	Elec & Comp Engineering	Synergetic Parallel Algorithms for Robust and Fast Analysis of Hyperspectral Data	National Nuclear Security Administration	870,000	7/1/2011	6/30/2014
12/2/2010	Chen, Yitung	Center for Energy Research	Perform TGA Analysis on Surrogate Reactor Fuel Materials	General Atomics Corporation	9,000	11/1/2010	12/31/2010
11/12/2010	Zhao, Hui	Mechanical Engineering	Mathematical Modeling of a Single Biomolecule Translocation Through Nanopores Embedded with Transverse Electrodes	National Science Foundation	162,288	7/1/2011	6/30/2014
11/19/2010	Trabia, Mohamed	Mechanical Engineering	Structural Blast Loading	Blast Containment Inc	96,000	1/1/2009	12/31/2011
	O'Toole, Brendan	Co-PI					
12/7/2010	Jiang, Yingtao	Elec & Comp Engineering	MURI:Investigation of a Holistic WDM-Based Photonic Networks-On-Chip on Sol: Technologies, Devices, Architectures, Prototype Integration, and Design Tools	Air Force Office of Scientific Research	792,014	6/1/2011	5/30/2014
	Das, Biswajit	Co-PI					
	Yang, Mei	Co-PI					
12/6/2010	Yim, Woosoon	Mechanical Engineering	Feasibility Study on the Monitored Retrievable Geological Repository	Sandia National Laboratories	149,380	1/19/2011	1/18/2012
12/14/2010	Jiang, Yingtao	Elec & Comp Engineering	CIF: Small Amplitude Division Multiple Access (ADMA): a New Channel Access Method for Shared Medium Networks	National Science Foundation	499,386	7/1/2011	6/30/2014
12/14/2010	Boehm, Robert	Center for Energy Research	Evaluation of High Efficiency Dye-Sensitized Solar Cells (DSSC)	Korea Institute of Industrial Technology	30,000	11/1/2010	10/31/2011
1/7/2011	O'Brien, Robert	Mechanical Engineering	Simulation of Dense Plasma Focus Applications - Phase 2 Task 14	National Security Technologies	15,000	1/14/2011	4/4/2011
	Lowe, Daniel	Co-PI					
12/10/2010	Yim, Woosoon	Mechanical Engineering	Short Course for System Engineering	Nevada System of Higher Education	10,600	1/6/2011	3/1/2011
1/12/2011	Boehm, Robert	Center for Energy Research	Integrating Energy Sustainability Into Engineering Education	Louisiana State University	394,606	9/1/2011	8/31/2016
2/1/2011	Yim, Woosoon	Mechanical Engineering	Short Course Proposal for System Engineering	Nevada System of Higher Education	7,920	1/6/2011	3/1/2011
12/22/2010	Kaseko, Mohamed	Civil & Env Engineering	Achieving Sustainability with Recycled Organic Materials and a Shallow Water Table	Environmental Protection Agency	15,000	8/14/2011	8/13/2012
1/14/2011	Boehm, Robert	Center for Energy Research	Collaborative Research: The Engineering Schools of the West: Implementing Transformative Curriculum Development Utilizing a Multi-Institution Learning Community	National Science Foundation	59,159	9/1/2011	8/31/2014
	Piechota, Thomas	Co-PI					
1/27/2011	Yang, Mei	Elec & Comp Engineering	MRI: Development of a Highly Scalable and Reconfigurable Testbed in Support of Future Many-Core and System-on-Chip Research and Design Exploration	National Science Foundation	651,966	9/1/2011	8/31/2014
	Jiang, Yingtao	Co-PI					
11/8/2010	Kachroo, Pushkin	Transportation Research Center	Field Test of the Vehicle Miles Traveled (VMT) Study	NV Department of Transportation	337,600	11/8/2010	6/30/2011
	Paz-Cruz, Alexander	Co-PI					
2/9/2011	O'Brien, Robert	Mechanical Engineering	Modeling of Various Neutron Irradiation Chambers Phase 2 - Task 15	National Security Technologies	49,998	2/24/2011	7/31/2011
	Lowe, Daniel	Co-PI					
2/11/2011	Pepper, Darrell	NV Ctr for Adv Comp Methods	A Meshless-Stochastic Transport Model for Particulate Dispersion	National Science Foundation	304,933	10/1/2011	9/30/2014
2/16/2011	Schill, Robert	Elec & Comp Engineering	Basic Research on Electron Emission for Air Force Directed Energy Studies	Air Force Office of Scientific Research	938,774	9/1/2011	8/31/2014
2/15/2011	Zhao, Hui	Mechanical Engineering	Mathematical Modeling of Biomolecule Translocation through Nanopores with Applications to DNA Sequencing	National Institutes of Health	138,617	9/1/2011	8/31/2013
3/1/2011	Jiang, Yingtao	Elec & Comp Engineering	Towards NASAs Cognitive Networking for its Deep Space Missions: Development of Error Correcting Codes (ECC) and Optimized Codec	National Aeronautics and Space Administration	264,000	8/1/2011	7/31/2015
3/1/2011	Muthukumar, Venkatesan	Transportation Research Center	UPWP 3403-11/14 - Before and After Transit Studies	Regional Transportation Commission of So. Nevada	17,000	1/1/2011	6/30/2013
	Dangeti, Mukund	Co-PI					
2/11/2011	Batista, Jacimaria	Civil & Env Engineering	Potential Treatment of Shale Water	Earl Corporation	35,048	3/1/2011	5/31/2011
2/15/2011	Kachroo, Pushkin	Transportation Research Center	Project MOVE - Motivational Opportunities in Vehicle-Related Employment	CCSD	35,000	6/1/2011	5/31/2012
2/16/2011	Breen, Erin	Transportation Research Center	Center for Safety and Outreach (Safe Communities Partnership)	Nevada Office of Traffic Safety	34,547	10/1/2010	9/30/2011
2/16/2011	Kachroo, Pushkin	Transportation Research Center	Nighttime Seat Belt Use in Nevada - Observational Study	Nevada Office of Traffic Safety	10,000	10/1/2010	9/30/2011
2/14/2011	Ahmad, Sajjad	Civil & Env Engineering	Documenting and Learning from the 2010 Swat Valley Floods in Pakistan	Arizona State University	756	2/14/2011	10/31/2011
3/3/2011	Zhao, Hui	Mechanical Engineering	Development of a Multi-Scale Mathematical Model for Chip-Based Capillary Electrokinetic Chromatography	National Science Foundation	168,768	9/1/2011	8/31/2014
2/25/2011	Jo, Ju-Yeon	School of Informatics	Information Assurance Scholarship Program at UNLV	U.S. Department of Defense	94,848	8/1/2011	7/31/2012
	Berghel, Harold	Co-PI					

	Kim, Yoohwan	Co-PI					
3/9/2011	Wang, Zhiyong	Mechanical Engineering	NCIIA Student Ambassador Travel Grant-Juan Carlo Pascua	National Collegiate Inventors and Innovators Alliance	1,050	9/1/2010	3/30/2011
3/1/2011	Kachroo, Pushkin	Transportation Research Center	Daytime Seat Belt Usage Survey	Nevada Office of Traffic Safety	25,000	10/1/2010	9/30/2011
3/2/2011	Trabia, Mohamed	Mechanical Engineering	Collaborative Research: Adaptive, Sensorized, and Finger-Wearable Electrotactile Braille (E-Braille) Display	National Science Foundation	131,564	9/15/2011	9/14/2014
3/21/2011	Ahmad, Sajjad	Civil & Env Engineering	Utilizing NASA Assets in Nevada: Water Resources and Ecohydrological Systems	EPSCoR/National Aeronautics & Space Administration	125,850	9/1/2011	8/30/2014
	Stephen, Haroon	Co-PI					
3/9/2011	Chen, Yitung	Mechanical Engineering	Advance Heat Exchanger Design for Cryogenic Applications	Kevin Kennedy Associates, Inc	9,479	5/15/2010	5/31/2011
3/21/2011	Yim, Woosoon	Mechanical Engineering	Hydrological Database Interface	Sandia National Laboratories	60,912	4/1/2011	3/31/2012
	Lee, Joon	Co-PI					
3/21/2011	O'Brien, Robert	Mechanical Engineering	Neutron Detector Characterization - Task 17	National Security Technologies	9,995	3/22/2011	9/30/2011
	Lowe, Daniel	Co-PI					
2/15/2011	Saberinia, Ebrahim	Elec & Comp Engineering	Fundamental Research on Universal Video Imaging Sensor	Latel Corporation	225,000	2/15/2011	11/30/2012
2/15/2011	Kachroo, Pushkin	Elec & Comp Engineering	Collaborative Research: Mathematical Representation of Driver Behavior for Evaluating Impacts of Roadway Transportation Systems	National Science Foundation	185,125	1/1/2012	12/31/2015
3/31/2011	Boehm, Robert	Center for Energy Research	Low Cost High Concentration Photovoltaic Systems for Utility Power Generation	Amonix - Federal Pass Through	113,500	7/1/2011	4/30/2012
3/31/2011	Yfantis, Evangelos	School of Computer Science	Mannekens with Multilayered Inflatable Surfaces and Sensors to Measure the Dimensions of Apparell and Store Them Automatically into Databases	Zappos, IP, Inc	84,838	4/15/2011	5/15/2012
3/31/2011	Regentova, Emma	Elec & Comp Engineering	Advanced Computer Vision, Robotics, and Visualization Algorithms for Improving Planetary Exploration and Understanding	EPSCoR/National Aeronautics & Space Administration	124,101	6/1/2011	5/31/2014
4/4/2011	Yfantis, Evangelos	School of Computer Science	An Intelligent E-Commerce Software System	GOGIVIT, Inc	84,838	4/15/2011	5/15/2012
1/31/2011	Fiore, Nicholas	Dean, College of Engineering	Hands-On Training for Middle and High School Teachers-A Pathway to Engineering Education for Their Students	Nevada System of Higher Education	34,920	3/14/2011	5/4/2012
1/31/2011	Gewali, Laxmi	School of Computer Science	Enhancing Environmetrics Curriculum	Nevada System of Higher Education	3,999	3/14/2011	5/4/2012
4/11/2011	Kachroo, Pushkin	Transportation Research Center	Signal Timing and Coordination Strategies Under Varying Traffic Demands and Inclement Weather Conditions	Nevada Department of Transportation	67,445	6/1/2011	7/31/2012
4/11/2011	O'Brien, Robert	Mechanical Engineering	UAV Support for NNSS PELE Experiments	National Security Technologies	29,900	4/18/2011	7/31/2011
	Lowe, Daniel	Co-PI					
4/8/2011	Breen, Erin	Transportation Research Center	Community Center for Traffic Safety Education and Outreach	Nevada Office of Traffic Safety	297,586	10/1/2011	9/30/2012
4/8/2011	Paz-Cruz, Alexander	Transportation Research Center	Development of Traffic Safety Training Tutorials for SafetyAnalyst	Nevada Office of Traffic Safety	46,002	10/1/2011	9/30/2012
	Kachroo, Pushkin	Co-PI					
4/8/2011	Paz-Cruz, Alexander	Transportation Research Center	Effectiveness of Driver's Education and Information Programs	Nevada Office of Traffic Safety	90,301	10/1/2011	9/30/2012
	Kachroo, Pushkin	Co-PI					
4/8/2011	Paz-Cruz, Alexander	Transportation Research Center	Evaluation of the Effectiveness of and the Societal Tolerance for Partially or Fully Automated Vehicles	Nevada Office of Traffic Safety	44,505	10/1/2011	9/30/2012
	Kachroo, Pushkin	Co-PI					
4/8/2011	Paz-Cruz, Alexander	Transportation Research Center	Assessment of the SafetyAnalyst Using a Motion-Based Driving Simulator and Evaluation of the Existing Practice for the Collection and Management of Traffic Safety Data	Nevada Office of Traffic Safety	45,550	10/1/2011	9/30/2012
	Kachroo, Pushkin	Co-PI					
4/8/2011	Paz-Cruz, Alexander	Transportation Research Center	Traffic Safety Data Integration, Analysis, and Visualization	Nevada Office of Traffic Safety	44,780	10/1/2011	9/30/2012
	Kachroo, Pushkin	Co-PI					
4/8/2011	Kachroo, Pushkin	Transportation Research Center	Integration and Analysis of Traffic and Trauma Data Associated with Traffic Accidents	Nevada Office of Traffic Safety	42,042	10/1/2011	9/30/2012
	Paz-Cruz, Alexander	Co-PI					
4/8/2011	Kachroo, Pushkin	Transportation Research Center	Daytime Seatbelt Usage Surveys	Nevada Office of Traffic Safety	50,412	10/1/2011	9/30/2012
	Paz-Cruz, Alexander	Co-PI					
4/8/2011	Kachroo, Pushkin	Transportation Research Center	Evaluation of Child Safety Seat Usage and Related Programs in Nevada	Nevada Office of Traffic Safety	42,042	10/1/2011	9/30/2012
	Paz-Cruz, Alexander	Co-PI					
4/8/2011	Kachroo, Pushkin	Transportation Research Center	Nighttime Seat Belt Usage Surveys	Nevada Office of Traffic Safety	46,514	10/1/2011	9/30/2012
	Paz-Cruz, Alexander	Co-PI					
4/1/2011	O'Toole, Brendan	Mechanical Engineering	Determination of Cracks in Fisher Space Pens Brass Ink Refills	NV System of Higher Education	800	8/1/2010	11/30/2010
4/20/2011	Das, Biswajit	Elec & Comp Engineering	A New Undergraduate Nano-Devices Laboratory	National Science Foundation	199,846	1/1/2012	12/31/2013
4/26/2011	O'Brien, Robert	Mechanical Engineering	Experimental and Simulation Support for Dense Plasma Focus Experiments -Task 18	National Security Technologies	13,996	4/26/2011	6/30/2011
	Lowe, Daniel	Co-PI					
4/28/2011	Zhao, Hui	Mechanical Engineering	Towards Development of Fast and Sensitive Devices for Detecting Aflatoxin with Applications to Food Safety: A Novel Method to Assemble Nanorodds	U.S. Department of Agriculture	150,000	1/1/2012	12/31/2013
	Jiang, Yingtao	Co-PI					
5/3/2011	Kachroo, Pushkin	Transportation Research Center	Development of Remote Erasure of Information Stored on Mobile Phones	Jayn International	30,000	6/1/2011	5/31/2012
4/1/2011	Paz-Cruz, Alexander	Transportation Research Center	Study of Multiple Traffic Safety Topics Using a Motion-Based Driving Simulator	NV Department of Transportation	59,018	10/1/2011	9/30/2012
	Kachroo, Pushkin	Co-PI					

4/1/2011	Paz-Cruz, Alexander	Transportation Research Center	Assessment of the SafetyAnalyst Using a Motion-Based Driving Simulator and Evaluation of the Existing Practice for the Collection and Management of Traffic Safety Data	NV Department of Transportation	90,258	10/1/2011	9/30/2012
	Kachroo, Pushkin	Co-PI					
4/1/2011	Paz-Cruz, Alexander	Transportation Research Center	Development of Traffic Safety Training Tutorials for SafetyAnalyst	NV Department of Transportation	89,871	10/1/2011	9/30/2012
	Kachroo, Pushkin	Co-PI					
4/1/2011	Paz-Cruz, Alexander	Transportation Research Center	Effectiveness of Driver's Education and Information Programs	NV Department of Transportation	44,352	10/1/2011	9/30/2012
	Kachroo, Pushkin	Co-PI					
4/1/2011	Paz-Cruz, Alexander	Transportation Research Center	Transportation Data Integration, Analysis, and Visualization for Traffic Safety	NV Department of Transportation	91,857	10/1/2011	9/30/2012
	Kachroo, Pushkin	Co-PI					
4/1/2011	Paz-Cruz, Alexander	Transportation Research Center	Evaluation of the Effectiveness of and the Societal Tolerance for Partially or Fully Automated Vehicles	NV Department of Transportation	89,686	10/1/2011	9/30/2012
	Kachroo, Pushkin	Co-PI					
4/1/2011	Kachroo, Pushkin	Transportation Research Center	Smart Data Collection Tools for Traffic Safety	NV Department of Transportation	92,208	10/1/2011	9/30/2012
	Paz-Cruz, Alexander	Co-PI					
4/1/2011	Kachroo, Pushkin	Transportation Research Center	Development of Interfaces for Data Intensive Software and Applications	NV Department of Transportation	88,518	10/1/2011	9/30/2012
	Paz-Cruz, Alexander	Co-PI					
4/1/2011	Kachroo, Pushkin	Transportation Research Center	Development of a Lane Departure Warning System	NV Department of Transportation	59,018	10/1/2011	9/30/2012
	Paz-Cruz, Alexander	Co-PI					
4/1/2011	Breen, Erin	Transportation Research Center	PACE: Safe Teen Driving Education Program	NV Department of Transportation	72,992	10/1/2011	9/30/2012
4/1/2011	Breen, Erin	Transportation Research Center	Pedestrian Safety Public Information and Education Projects	NV Department of Transportation	331,444	10/1/2011	9/30/2012
4/1/2011	Breen, Erin	Transportation Research Center	Community Outreach and Education Through Grassroots Efforts	NV Department of Transportation	79,237	10/1/2011	9/30/2012
5/5/2011	Yim, Woosoon	Mechanical Engineering	II NEW: Collaborative Research: Robotic Catheterization Using Ionic Polymer-Metal Composite Actuator	National Science Foundation	78,887	6/1/2010	5/31/2013
4/13/2011	Taghva, Kazem	School of Computer Science	Data Minig and Analysis of Stolen Goods on the Web	Henderson Police Department	197,446	10/1/2011	9/30/2013
4/29/2011	Kachroo, Pushkin	Transportation Research Center	University Transportation Center	U.S. Department of Transportation	462,900	7/1/2011	6/30/2012
4/1/2011	Kachroo, Pushkin	Transportation Research Center	Combined Data Analysis on NDOT Crash Data and UMC Trauma Data	Nevada Office of Traffic Safety	32,500	10/1/2010	9/30/2011
4/6/2011	Culbreth, William	Mechanical Engineering	Enhancement of Nuclear Education and Research at UNLV	U.S. Department of Energy	240,152	10/1/2011	9/30/2012
	Cerefice, Gary	Co-PI					
	Regentova, Emma	Co-PI					
	Sudowe, Ralf	Co-PI					
2/3/2011	Trabia, Mohamed	Mechanical Engineering	Investigation of the Shock Mitigating Properties of Bolted Joint Connections	Hyundai Rotem	84,110	6/1/2011	5/31/2012
	O'Toole, Brendan	Co-PI					
	Thota, Jagadeep	Co-PI					
5/16/2011	Yang, Mei	Elec & Comp Engineering	Development of Robust and Scalable Heterogeneous Wireless Sensor Network and Data Fusion/3-D Reconstruction Platform for Real-Time Fossil Power Plant Operation Control	U.S. Department of Energy	1,504,691	9/1/2011	8/31/2014
	Jiang, Yingtao	Co-PI					
	Ma, Jian	Co-PI					
	Zhao, Hui	Co-PI					
5/12/2011	Breen, Erin	Transportation Research Center	Center for Safety and Outreach (Safe Communities Partnership)	Nevada Office of Traffic Safety	52,068	10/1/2010	9/30/2011
5/23/2011	Batista, Jacimaria	Civil & Env Engineering	Potential Treatment of Shale Water	Earl Corporation	10,074	3/1/2011	8/31/2011
8/9/2010	Shrestha, Pramen	Dean, College of Engineering	Preparing Guidelines for Speed Reduction in Towns Along Rural Highways	NV Department of Transportation	106,261	6/6/2011	12/31/2012
	Said, Aly	Co-PI					
	Tian, Ying	Co-PI					
4/1/2011	Chen, Yitung	Center for Energy Research	Integrated Assessment of Wildfire Emissions and Impact in Western U.S.	EPSCoR/National Aeronautics & Space Administration	200,000	1/1/2012	12/31/2014
6/2/2011	Kachroo, Pushkin	Transportation Research Center	Neutron Tomography - Task 19	National Security Technologies	28,990	6/8/2011	9/30/2011
5/25/2011	Latifi, Sharam	Elec & Comp Engineering	CAPTURE - Creating a Pedagogical Tool for Understanding Renewable Energy	National Science Foundation	199,998	1/1/2012	12/31/2012
6/1/2011	Teng, Hualiang	Civil & Env Engineering	Economic Analysis of Savings in User Costs and Highway Deterioration and Job Creation by Highway Preservation Spending	NV Department of Transportation	240,998	1/1/2012	12/30/2014
	Karakouzian, Moses	Co-PI					
	Kaseko, Mohamed	Co-PI					

6/6/2011	Shrestha, Pramen	Dean, College of Engineering	An Investigation of an Innovative Maintenance Contracting Strategy: Performance-Based Maintenance Contract (PBMC)	NV Department of Transportation	264,476	1/15/2012	1/16/2016
	Said, Aly	Co-PI					
6/3/2011	Zhao, Hui	Mechanical Engineering	Applications of Electric Fields in Microgravity Nucleate Boiling	EPSCoR/National Aeronautics & Space Administration	30,000	7/1/2011	4/30/2012
6/6/2011	Latifi, Sharam	Elec & Comp Engineering	A Vital Signs Simulator Package for NASA's Crewed Space Missions	EPSCoR/National Aeronautics & Space Administration	25,433	7/1/2011	4/30/2012
6/8/2011	Baghzouz, Yahia	Elec & Comp Engineering	A Method to Reduce Voltage Fluctuations in Distribution Feeders with High PV Penetration	California Energy Commission	85,914	1/1/2012	12/31/2012
6/8/2011	Batista, Jacimaria	Civil & Env Engineering	Vivianite Formation Potential at the Clark County Water Reclamation Facility	Clark County Water Reclamation District	16,135	6/13/2011	8/31/2011
4/11/2011	Kachroo, Pushkin	Transportation Research Center	Nighttime Seat Belt Use in Nevada - Observational Study	Nevada Office of Traffic Safety	5,000	10/1/2010	9/30/2011
6/15/2011	O'Brien, Robert	Mechanical Engineering	Data Analysis and Conference Support for SDRD Project RSLN-07-11 Task 20	National Security Technologies	10,000	6/15/2011	7/15/2011
6/9/2011	Moujaes, Samir	Mechanical Engineering	An Analytical and Experimental Study to Develop New Wind Load Codes for PV Systems	U.S. Department of Energy	1,500,000	10/1/2011	9/30/2014
	Karakouzian, Moses	Co-PI					
	Said, Aly	Co-PI					
5/26/2011	Moujaes, Samir	Mechanical Engineering	Energy Technology Proof of Concept Center at the University of Nevada, Las Vegas (i6Green)	Econimic Development Administration	1,000,000	10/1/2011	9/30/2013
6/1/2011	Ahmad, Sajjad	Civil & Env Engineering	Documenting and Learning from the 2010 Swat Valley Floods in Pakistan Phase II, Summer 2011 Semester	Arizona State University	756	6/1/2011	10/31/2011
10/27/2010	Zhao, Hui	Mechanical Engineering	Studies of Streaming Potentials Generated by a Two-Phase Flow with Applications to Detecting Water Encroachment Towards Oil Wells	American Chem. Society - Petroleum Research Fund	100,000	8/1/2011	8/31/2013
3/25/2011	Batista, Jacimaria	Civil & Env Engineering	Estrogen in Wastewater Biosolids of a Plant Without Anaerobic Digestion - Summer 2011 Semester	Arizona State University	756	6/1/2011	10/31/2011
6/23/2011	Zhao, Hui	Mechanical Engineering	Development of a Multi-Scale Mathematical Model for Chip-Based Capillary Electrokinetic Chromatography in Lab-on-a-Chip Systems with Applications to Low-Cost, High-Efficiency, and Cost-Effective Point	National Institutes of Health	432,000	4/1/2012	3/31/2015
6/24/2011	Boehm, Robert	Center for Energy Research	Electric Efficiency Evaluation of the Solar Power	Kwangwoon University	10,000	6/1/2011	8/31/2011
6/22/2011	Said, Aly	Civil & Env Engineering	Field Research with Solar Stills and Modeling Performance - Summer Semester 2011	Arizona State University	756	6/1/2011	10/31/2011
6/22/2011	Said, Aly	Civil & Env Engineering	A Study on Recycling Waste Latex Paint in Pervious Concrete - Summer Semester 2011	Arizona State University	756	6/1/2011	10/31/2011
6/22/2011	Kim, Yoohwan	School of Computer Science	New Hybrid TDMA/CSMA Wireless Mesh Networks (WMN) for Secure Smart Grid Communication	Battelle Energy Alliance, LLC	46,800	6/13/2011	9/30/2011
6/30/2011	Chen, Yitung	Center for Energy Research	Utilization of Solar Thermal Energy in Nevada	EPSCoR/Dept. of Energy	1,500,000	10/1/2011	9/30/2014
	Farley, John	Co-PI					
	Johnson, Allen	Co-PI					
6/30/2011	Selvaraj, Henry	Elec & Comp Engineering	Optimizing the Overall Operational Cost of Multi-Unit Structures in UAS Systems	National Aeronautics and Space Administration	2,349,436	9/1/2011	8/31/2016
6/30/2011	Yang, Mei	Elec & Comp Engineering	High-Performance and Scalable Photonic-Electronic Network-on-Chips	Samsung Advanced Institute of Technology	96,936	9/1/2011	8/31/2012
6/27/2011	Latifi, Sharam	Elec & Comp Engineering	Remote Detection of WMD Based on Hyperspectral Data Processing	Defense Threat Reduction Agency	794,716	7/1/2011	4/30/2014
6/7/2011	Kachroo, Pushkin	Transportation Research Center	Daytime Seat Belt Usage Surveys	Nevada Office of Traffic Safety	15,875	10/1/2010	9/30/2011
5/12/2011	Kachroo, Pushkin	Transportation Research Center	Nightime Seat Belt Use in Nevada - Observational Study	Nevada Office of Traffic Safety	21,652	10/1/2010	9/30/2011
Total	145			Total	27,613,431		